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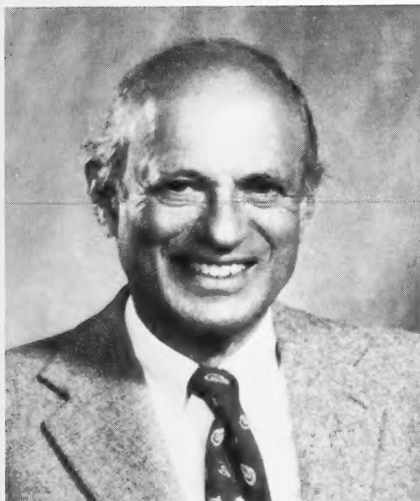
HISTORY AMERICAN MUSEVM OF NATVRAL



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TRUSTEE ARTHUR ROSS RECEIVES GOLD MEDAL AWARD



Arthur Ross

Arthur Ross, a Museum Trustee, was recently honored by the National Institute of Social Sciences, which presented him with its Gold Medal Award for his "outstanding contributions to humanity."

The Institute was organized in 1912 with the objective of bringing together people from throughout the nation who are "interested in or involved in solving our country's urgent problems."

Since 1913, its members have honored distinguished persons from all branches of government, as well as from scientific, religious, professional and academic disciplines. Past winners of the Gold Medal include: Henry Fairfield Osborne, Cleveland H. Dodge, J. Pierpont Morgan and Linus Pauling.

Mr. Ross was elected to the Museum's Board of Trustees in 1979 and has served on a variety of Board Committees, including the Management Committee and the Budget Committee. In addition, Mr. Ross is a Director of Central Park Conservancy, New York Landmarks Conservancy and the New York Botanical Garden, a Trustee of the Asia Society and of Mount Sinai's Medical Center and School of Medicine and a member of the Council of the Cooper-Hewitt Museum.

Among his many contributions to the Museum are major support for the Arthur Ross Hall of Meteorites, opened in 1980, and establishment of "The Arthur Ross Exhibit of the Month," a series of exhibitions throughout the year.

CHANGES IN OFFICERS OF TRUSTEES FOR THE BOARD

At the Annual Meeting of the Museum's Board of Trustees on Dec. 13 the election of two Trustees to two new posts and the reelection of one Trustee were announced.

William T. Golden, a Museum trustee and former vice president, was reelected vice president. Mr. Golden had been vice president for 10 years and had stepped down last December. Mr. Golden was elected to the Museum's Board in

1968, and serves on a number of Board Committees. He is chairman of the Honors and Awards committee.

Trustee Frederick A. Klingenstein completed a 10-year term as Treasurer and was elected vice president. Mr. Klingenstein became a trustee in 1969. He is a member of the Management, Finance, Budget and Development Committees.

Trustee Charles H. Mott was elected Treasurer. Mr. Mott has been a member of the Board since 1976, and is Chairman of the Finance Committee. He serves on several other committees as well.

SUPPORT FOR THE MUSEUM COMES IN MANY WAYS

The Museum continually strives to strengthen its base of support, through increased membership, larger corporate contributions, more Museum Shop sales and increased visitorship, to name a few means. But at times support arrives in the welcome form of moral encouragement also. An example came in a recent letter to Director Thomas D. Nicholson.

Malcolm Stevenson of Upper Montclair, N.J., after a visit to the "Aztec Mexico: Discovery of Templo Mayor" exhibition wrote: "If I could, I would make a contribution to the Museum so that exhibitions such as this would continue. I'm prevented from doing so by having to pay the tuitions, and so on . . . Therefore I have written the attached essay as a gesture of appreciation . . . Please accept it as a tribute to a truly remarkable event."

In his essay, Mr. Stevenson described "Templo Mayor" as an exhibition in which "beauty and terror are married and live tensely together. In this exhibition two presences, one obvious, one subtle, set the tone . . . Obvious is the large round pavement stone" (the Coyolxauhqui Stone, which in Aztec myth represented the dismembered moon goddess Coyolxauhqui. According to the myth, the hearts and blood of the sacrificial victims fueled the Aztec sun which was "re-born" each morning after the "defeat" of the moon.)

"Subtle and softly sinister is the mournful music that persists in the background . . . a lament mourning all those Aztec prisoners the Aztecs murdered to keep the sun alive . . . The Aztec achievement, as seen in this exhibition, is an awesome blend of beauty and blood, but too terrible to last."

In his reply to Mr. Stevenson, Dr. Nicholson said: "Thank you for your kind words concerning "Templo Mayor" and the Museum. The Museum does rely heavily on the support we receive from the community in response to our work. I hope that the favorable impression we've been able to give you as a result of your visit will persuade you one day that the Museum is worth supporting when you are able to do so."

"Because of such impressions that exhibitions and events here at the Museum make on potential supporters of the Museum, I encourage each employee to continue to make every impression on Museum visitors as favorable as possible. The future support of our Museum depends on it."

"GREAT EXPEDITIONS" ODYSSEY SUPPORTS MUSEUM LIBRARY'S PHOTO COLLECTION

The Museum Library's vast and historic Photographic Collection was the beneficiary of a recent, unique fund-raising expedition. Called "Rediscover the Great Expeditions," the event was co-sponsored by the Museum and CBS' *American Photographer* magazine. The unusual 35,500-mile west-to-east circumnavigation of the globe took approximately 50 travelers, who paid \$25,000 each, on the experience of a lifetime.

The month-long journey, from Oct. 1 to Nov. 2, visited 15 sites of scientific exploration, retracing some of the Museum's most celebrated expeditions. The trip was planned by Nina J. Root, chairwoman, Library Services, and Pamela B. Haas, assistant librarian for archives and photographic collection. The itinerary included: Kafue National Park in Zambia, a game preserve half the size of Switzerland; Chitwan (Tiger Tops) National Park in Nepal, visited by the Museum's Vernay-Faunthorpe Asiatic Expedition of 1923; Rarotonga, in the Cook Islands, visited by the Whitney South Seas Expedition of 1920-35; Easter Island, where the island's complex culture was studied by the Museum's Templeton Crocker Expedition of 1934-35; Mongolia, the site of the Asiatic Expeditions of the 1920s and Machu Picchu in Peru.

Representing the Museum as staff and lecturers on the expedition were: Thomas D. Nicholson, Museum director; David Hurst Thomas, chairman, Department of Anthropology; Nina J. Root; and Richard G. Van Gelder, curator, Department of Mammalogy. Participants in the expedition not



The flag of the American Museum of Natural History is displayed on the side of a yurt, a nomadic tent which housed members of the "Rediscover the Great Expeditions" trip on the Mongolian steppes. Holding the flag are (left to right): Richard G. Van Gelder, Nina J. Root and David Hurst Thomas.

only learned from the journey itself and experiences ranging from archeological digging to elephant rides but also from lectures given en route by Museum staff members and on-site experts.

"The trip was a once-in-a-lifetime experience for us all," said Nina Root. "All the staff members were enriched both professionally and personally. In addition, we learned first-hand of the worldwide reputation of the Museum and its work. For example, in Beijing, we were honored guests, as representatives of the Museum, at a reception and dinner in the Great Hall of the People. And in Rarotonga we were guests for lunch at the Governor's mansion and were made honorary citizens of Rarotonga.

"The trip was a great success for the participants and in terms of support for the care and curation of the Photographic Collection. It made us all proud to be associated with the Museum."



Blake Elinson, 6-year-old daughter of Sande Elinson of the Vice President's Office.



Marcella Bellos, 4-year-old niece of Vito Melito of Building Services.



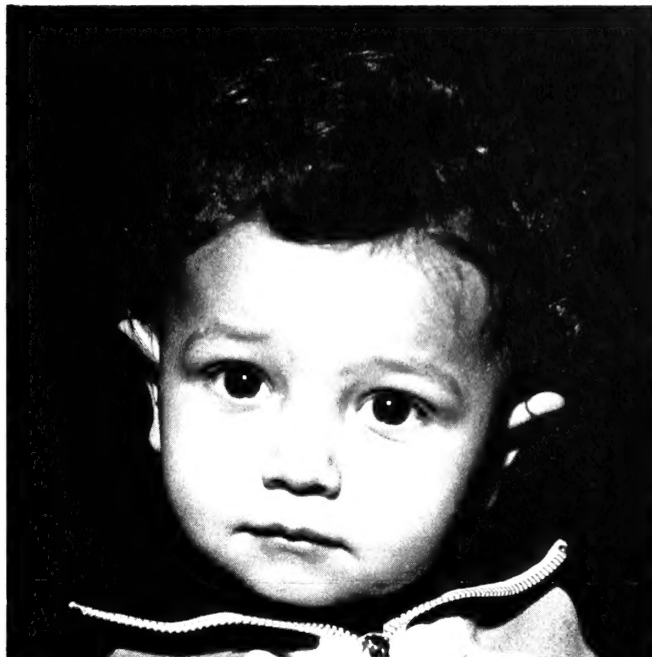
Melinda Samot, 3½-year-old daughter of Louis Samot of the Museum Library.



Calderon, 9 1/2-month-old son of Calderon of the Department of n.



Alicia Hines, 18-month-old daughter of Halcyon Hines, assistant executive secretary in the Office of the Director



Jasper Hkimi, 15-month-old son of Amy Hkimi of the Department of Invertebrates

CHILDREN'S CHRISTMAS PARTY LIGHTS UP MUSEUM AUDITORIUM AND HALL

The December holidays are a time of joy and excitement, and this magic is often best seen in the faces of those who experience it most: children. The surrounding photographs are taken at the ninth annual Museum Children's Christmas Party, as the children of Museum employees experienced the telling of Christmas tales and singing songs in the Main Auditorium and a meal, the giving of gifts and a visit with Santa in the Hall of Ocean Life and the Biology of Fishes. (This year Santa was Bryan Tierney, nephew of Ernestine Weindorf of *Natural History* magazine who coordinates the party each year.)



Vidya Boodran, 3-year-old daughter of Mohanlal Boodran of Building Services



Cubillo, 2 1/2-year-old daughter of Cubillo of Building Services



Marie Ternes, 4-year-old daughter of Alan Ternes, editor of *Natural History* magazine



Ryan Velez, 14-month-old son of Eileen O'Keefe of *Natural History* magazine

RECYCLED MUSEUM BANNERS TURN UP IN UNUSUAL LOCATIONS

Have you ever wondered what happens to Museum banners — those huge, eye-catching flags which hang over the Museum entrance during a special exhibition — after the exhibition closes? Marilyn Badaracco, manager of Guest



A Sherpa visitor to the home of Sherret E. Chase in Shokan, N.Y., stands in front of the Ice Age Art banner that decorates the side of his barn. It was sold to Mr. Chase by the Museum.

Services, recently received at least one answer.

Sherret E. Chase of Shokan, N.Y., wrote to Ms. Badaracco explaining that the "Ice Age Art" banner which he bought from the Museum in 1978 now graces the side of his barn and has served as a sun shelter for two family weddings. Mr. Chase said that "many friends have commented on the beauty of the banner" and "thank you for letting me purchase this fine item."

Ms. Badaracco responded: "Although we have sold several of our banners, you are the first to be kind enough to send us a photo showing how they are being recycled." "Thank you for your nice letter and photo of the 'Ice Age Art' banner." (See the photo Mr. Chase sent above.)

It is nice to know that these banners, works of art themselves designed by the Museum's Graphics Department, are still catching the eye in locations far removed from the Museum.

HERE AND THERE

Anthropology: Paloma Carcedo, curatorial assistant I, left the Museum to work at the Museo de las Americas in Spain... Robert L. Carneiro, curator, and his wife Barbara have adopted a son from Costa Rica... Ian Tattersall, curator, and Niles Eldredge, curator in the Department of Invertebrates, had their book, "The Myths of Human Evolution," published recently by Columbia University Press... David Hurst Thomas, chairman and curator, and the St. Catherines Island crew — Stacey Goodman, Debbie Mayer, Dennis O'Brien and Debby Peter — recently returned from three weeks of work on this Georgia island. Articles on their work appeared during December in *The New York Times* and *Newsweek* magazine... Laurel Kendall is the new assistant curator.

Building Services: New assistant managers are Bertha Barrios, Suman Agarwal and Nestor Paslawsky... Shein Myint is the new Museum attendant guard... Egbert Thomas was promoted from Museum attendant guard to senior Mu-

seum attendant guard.

Cash Control Office: Thomas A. Lesser, formerly senior lecturer at the Planetarium, has been promoted to cash control manager.

Construction and Maintenance: Diane E. Major was hired as assistant Museum maintainer... John Bohr and Thomas Votik joined as Museum maintainers.

Controller's Office: The new senior secretary is Betty Foat. **Development and Public Affairs:** Tracey Stark joined as secretary for Discovery Tours... Todd Nielsen, Discovery Tours manager, visited Papua New Guinea, for three weeks in November inspecting sites for a program there.

Exhibition and Graphics: Thelma Pollick retired in October after more than 30 years at the Museum. She was the department's secretary. The new secretary is Elizabeth Halasz... Dale Traugott is the new intern preparator... Mauricio Genaro joined as part-time preparator.

General Accounting: The new assistant manager is Charles Urban... Edris Sewell joined as clerk.

Ichthyology: Joining the department as secretary is Dana MacDougall... Vicki Salmonese was promoted from secretary to senior secretary.

Invertebrates: Arline Sumner has joined as part-time curatorial assistant.

Library: Katherine Kerchof, project associate, left the Museum to work on her Masters degree in library science at Drexel University in Philadelphia... Bryan Johnson, acquisitions librarian, lectured on acquisitions librarians' and publishers' promotional material at the CUNY Graduate Center on Dec. 18... Pamela Haas, assistant librarian for archives and photographic collection; Mary Genett, assistant librarian for reference services and conservation, and Maryann Turner, photographic collection librarian, attended a workshop sponsored by the New York State Council on the Arts Dec. 6-8.

Mammalogy: John Kavanaugh is the new secretary.

Mineral Sciences: Audrey Smith is a new part-time curatorial assistant.

Museum Shop: Karen Costa, Dawn Smith, Sarah Middleton, Elise Jansson and Keva Margetson have joined the Shop as part-time sales assistants.

Ornithology: Mae Lackner retired after six years in the department... Lester L. Short, chairman and curator, and his wife Jennifer are doing field work in Kenya and will return in mid-February, after accompanying a Museum Discovery Tour to the Indian Ocean... Amanda Cannell, wife of graduate student Peter Cannell, gave birth to a boy, Thomas Turner Cannell, in September... Mary LeCroy, scientific assistant, and Helen Hays, chairwoman, Great Gull Island Committee, attended the Colonial Waterbird Conference in Washington, D.C., Nov. 5-7... Among the department members who attended the annual meeting of the American Ornithologists' Union in Chicago were: Dean Amadon, Lamont curator emeritus of birds; Lester L. Short; Wesley E. Lanyon, Lamont curator of birds; George F. Barrowclough, assistant curator; Mary LeCroy and Helen Hays.

Office of Deputy Director for Research: Joan Whelan was promoted from technical specialist to interdepartmental facilities coordinator.

Planetarium: Three part-time sales assistants are Helen Doyle, Anne Phuvan and Michael James... Nancy Headapohl was promoted from sales assistant to assistant manager of the Planetarium Shop.

Plant Manager's Office: Norene L. Brooks has been appointed plant manager and is responsible for the management of the Construction and Maintenance Department and the Building Services Department. The managers of those two departments report to Ms. Brooks, and she reports to the deputy director for administration.

Southwestern Research Station: Vincent D. Roth, resident director, and his wife Barbara recently completed a survey of arachnids along the Colorado River-side of the Grand Canyon.



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VOL. 40, NO. 2



Former President and Mrs. Jimmy Carter arrive at the Museum's 77th Street entrance to view Naturemax films.

NATUREMAX HOSTS FORMER FIRST COUPLE TO SURPRISE OF MATINEE MOVIEGOERS

Just like any other Monday matinee moviegoers, former President Jimmy Carter and Rosalynn Carter soared around the world with "Living Planet" and across the United States with "To Fly" on their Feb. 7 visit to the Naturemax Theater.

"Breathtaking," commented Mr. Carter after viewing the films.

Surprised moviegoers applauded spontaneously when the Carters entered the theater as the house lights were dimming for the delayed 3:30 p.m. screening of "Living Planet." They were seated in the first-floor center section with Museum President Robert G. Goelet, Trustee William Barnabas McHenry, Mrs. McHenry and the McHenry's two sons.

The Carters toured the Naturemax projection booth with its two-ton projection system and four-foot film reels and then stayed on for a private screening of "To Fly."

The former First Couple had been expected to arrive in time for the 2:30 p.m. showing of "To Fly," but they had problems coordinating their arrivals at LaGuardia Airport. Mrs. Carter was flying from Chicago and Mr. Carter from Georgia.

When the Carters finally arrived together at the Museum about 3:30 p.m., Mr. Goelet greeted them at the 77th Street entrance before an assembly of photographers and camera-men.

Mr. Goelet presented Mr. Carter with a navy blue tie deco-

rated with tiny brontosaurus as a memento of his visit.

Mrs. Carter said they had been "too busy to see 'To Fly' in Washington" where it has been showing at the Smithsonian since 1976. Their daughter, Amy, had seen it and had given her dad rave reviews.

The Carters were in New York for *Newsweek* magazine's 50th anniversary party and decided to heed Amy's advice and see the Naturemax films on their visit.

VOLUNTEER RECOGNITION WEEK

The week of April 18 has been designated Volunteer Recognition Week by the Tri-State Volunteer Action Centers. During that week, all Museum employees who are volunteers for any cause (church, sports, hospitals, etc.) are encouraged to wear a red "V" for maximum visibility. The program is designed to identify volunteers and to encourage others to volunteer. The program is supported by the Mayor's Volunteer Action Center of New York City and will be promoted on WCBS-Radio. The red "Vs" will be available in the Museum's Volunteer Office starting April 11. Contact Miriam Johnson, Manager of Volunteer and Information Desk Services, at extension 538 to receive "Vs" to identify volunteers in your department.



The skeletons which were the inspiration for the Museum's logo, at left, in their new home with other S. Harmsted Chubb mounts.

CHUBB SKELETONS OUT OF "CLOSETS"

The skeletons of horses, rhinoceroses and other large mammals seem to be in motion again now that they have a new home behind the scenes on the Museum's third floor.

Not a delusion, these skeletal mounts are the work of the late S. Harmsted Chubb, associate curator emeritus of the Museum's former Department of Comparative Anatomy. Mr. Chubb was one of the world's greatest experts on animals in motion.

The entire collection of Chubb's mounts of horses has been brought together in new quarters where they are accessible for study.

"All of these mounts were on exhibit at one time, and then were put in storage rooms scattered throughout the Museum," said Guy Musser, chairman of the Department of Mammalogy.

"Each mount is a unique structure, mounted as though the animal were frozen in movement, like a work of art," he continued.

Mr. Chubb's mounts now occupy former storage space that has been converted to what Dr. Musser describes as "usable specimen space."

"The third-floor area serves as an extension of the department's curatorial space which is on the fifth floor," he said.

A hallway contains horse skeletons with gaits which range from a trot to a gallop. The mount of the rearing horse and human with outstretched arms which is captured in the Museum logo is part of the collection.

Those who wish to see this example of behind-the-scenes curation should contact Dr. Musser.

EXPERT ON KOREA JOINS ANTHROPOLOGY DEPARTMENT

Laurel Kendall, an anthropologist known for her studies of religion and ritual in Korea and the important role that women play in these and other aspects of Korean society, has joined the staff of the Museum as assistant curator in the Department of Anthropology.

Dr. Kendall is responsible for the curation of the Hall of Asian Peoples and the 300,000 objects in the department's Asian anthropological collection. She will be returning to Korea this summer to study changes in Korean wedding ritual and how these changes relate to the large number of single working women in the South Korean industrial work force.

Dr. Kendall earned an A.B. degree at the University of California, Berkeley, and M.A., M. Phil. and Ph.D. degrees at

Columbia University. She was a postdoctoral research fellow at the John A. Burns School of Medicine of the University of Hawaii.

Dr. Kendall's research interests began with a chance assignment to Korea in 1970 as a Peace Corps volunteer. During her three-year stint there, she became interested in the roles of Korean women, discovering that in a seemingly patriarchal society, female shamans performed to overwhelmingly female audiences.

Dr. Kendall worked with immigrant Korean women in Honolulu from 1979 to 1981 as a medical anthropologist and postdoctoral research trainee at the University of Hawaii. She also served as a consultant to the Women's Health Center of Honolulu.

Most recently, Dr. Kendall was visiting assistant professor in the Department of East Asian Languages and Cultures at the University of Kansas.

Dr. Kendall has also been involved in several multimedia projects, including serving as a consultant for a BBC production on Korean mask dance drama.



Laurel Kendall

TWELVE THOUSAND TRIPS LATER, HIGHLIGHTS TOURS SPARKLE MORE RADIANTLY THAN EVER

When a museum covers more than a million square feet of space and its collections include millions of artifacts and specimens, think of the confusion a visitor to that museum faces deciding where to begin! That's the dilemma once faced by thousands of visitors to the American Museum. As visitorship to the Museum grew, making it increasingly difficult for information desk volunteers to individually advise each visitor in depth about the full scope of the Museum, the need for a tour program became more evident.

"We needed a way to show the highlights of our museum to adult visitors with limited time as well as to groups and VIPs," said Mitzi Bhavnani, Museum Highlights Tour coordinator. "We've given more than 12,000 tours to Museum visitors."

In 1977, what is now the highly successful, often emulated Museum Highlights Tour program was begun. Sarah E. Flanders, formerly natural science coordinator in the Museum's Department of Education, retired in that year and enthusiastically volunteered her time to help develop guided tours of the Museum. Dr. Flanders is fondly remembered

as the "mother" of the Highlights Tour program. Upon her retirement from the program in 1980 she received the Mayor's Voluntary Action Award for the success of her efforts.

From the beginning, Highlights Tour guides, all of whom are volunteers, have been carefully trained and closely monitored for accuracy in their presentations. One of the original guides, who like a number of others continues to give tours today, remembers Dr. Flanders hiding behind the African elephants to eavesdrop on guides.

"With a Museum as extensive and varied as ours," said Mrs. Bhavnani, "it would be impossible to choose a hard-and-fast list of highlights to cover on a tour. We worked recently with the Office of Public Affairs to compile a list of the Museum's "top 10" highlights for an author who was writing a book on the city's museums. We were hard pressed to name only 10. In fact, we submitted a list of 20 strong "must-sees," which included obvious items such as the dinosaurs, Anighito, the Haida canoe and the Star of India, and others less obvious but equally outstanding, such as the giant red-wood cross section, the Komodo dragons and Roosevelt Memorial Hall itself. With such variety, guides have to be able to tailor tours to the groups' interests and to their own interests and expertise, to some extent."

Highlights Tours are never static but ever-changing to meet the needs of the public and the Museum. In addition to daily Museum Highlights Tours, which start at the second floor information desk, in-depth, one-hall or one-theme tours are given to Museum members. Tours are planned also for special groups, such as the spouses of those who will attend the September meeting of the American Ornithologists' Union. Tours of special exhibitions have been requested as far in advance as 1984. Group tours arranged in advance now cost \$4 per person; the price allows free entry into the



Museum Highlights Tour guide Sheila Solomon, wearing new guide button and carrying traditional flag (which is adapted from a bicycle pennant), prepares to take Museum visitors on tour

Museum. Groups can schedule Museum tours which are tailored somewhat to their needs and interests.

Examples of such prearranged tours were the recent ones given to docents from the Bergen Community Museum of Paramus, N.J., and to docents from the Metropolitan Museum of Art. Bonnie Kech, tour liaison for the Bergen Museum, wrote to Mrs. Bhavnani, "Not only was it (the visit to AMNH) enlightening, but Ms. Lovelady's (the guide) professional manner definitely instilled in us a new incentive to work harder towards furthering tours at Bergen Community Museum."

"After six years and having shown the Museum to more than 200,000 people on Highlights Tours, we are constantly refining our ways of showing off our Museum's treasures," said Mrs. Bhavnani.

WALTER F. KOENIG, MANAGER OF CONSTRUCTION AND MAINTENANCE, RETIRES

Walter F. Koenig, manager of construction and maintenance, will retire on April 30, after more than 27 years with the Museum.

Mr. Koenig began his career at the Museum in 1956 as an architectural designer, and in 1959 was appointed staff architect. In 1971 he was promoted to manager of construction



Walter F. Koenig

and two years later became manager of construction and maintenance.

A native of Vienna, Mr. Koenig moved to Connecticut in 1953 and lives today in Rowayton, with his wife Gertrude. He received his architectural training at the Technical University of Vienna, training which led him into a career at the Museum which he describes as "rewarding."

"I am lucky to have been at the Museum during one of its most ambitious periods of expansion," said Mr. Koenig. "There were many challenges to be met during this time."

Over the years, Mr. Koenig worked with the design and construction of three new buildings, 19 new halls and hundreds of new offices, laboratories, storage areas and other construction and renovation projects. His duties were wide-ranging, and included overseeing plant operation with responsibility for heating and air conditioning, mechanical and structural maintenance and construction.

He points with pride to many recent projects, such as the Naturemax Theater, the Arthur Ross Hall of Meteorites and the Kaufmann and Linder Theaters, which were all carried out by the in-house work force. He describes his role in the design and construction of a new permanent exhibition such as the South American Hall, currently under way, as part of a "team effort."

"First, outlines are drawn up by the scientists and exhibition designers involved and then the architects come in to make construction sense of the project," he explained. "Next, the contractors' or in-house labor force comes in to do the actual construction of walls, exhibit cases and other fixtures. Finally, scientists, designers and preparators return to execute the exhibits."

After retirement, Mr. Koenig and his wife plan to spend half their time in their native Austria, near Salzburg on the St. Wolfgang See, and half in Florida in the Daytona area.

LET THEM KNOW WHO YOU ARE

All Museum employees, both volunteer and regular, must show picture Museum identification cards to receive the 15 percent employee discount in the Museum cafeteria.

YOU CAN HELP CHECK NATUREMAX BROCHURE DISTRIBUTION

A new brochure describing the films, schedules, reservation procedures and other facts about the Naturemax Theater has recently been distributed throughout the metropolitan area. Your help is needed in checking to see that these brochures are properly displayed and are being used appropriately.

Examples of the types of places the brochures have been distributed are: major tourist attractions such as the Empire State Building and the Statue of Liberty; parks; schools, colleges and universities; libraries; military installations and other sites visited frequently by people of all ages who might also attend Naturemax. Call to let us know if you can stop at such sites in your area to check on brochure distribution. The Naturemax Office (ext. 644) or the Public Affairs Office (ext. 481) can tell you specific sites in your area which have already received brochures.

You can also help by letting us know of other sites which might be good points of distribution. Check with such sites in your area, asking how many brochures they can use and how they would be displayed. Then, call the Naturemax Office or the Office of Public Affairs, giving them the information. They'll see that the appropriate number of brochures is delivered.

Samples of the brochure can be obtained from either the Naturemax Office or the Public Affairs Office.

WE MOURN THEIR PASSING

Two Museum trustees, a former Museum staff member, and a scientific assistant in the Department of Invertebrates died recently. The administration, staff, trustees and friends of the Museum express deep sorrow and a sense of loss.

John M. Olin, an honorary trustee of the Museum since 1966, died in his East Hampton, L.I., home on Sept. 8. Mr. Olin was 89 years old. He was honorary chairman of the Olin Corporation, a large diversified company which grew from the family arms firm. A noted conservationist, philanthropist and inventor, Mr. Olin served not only the American Museum but gave generously of his time and resources to other institutions and received many awards for his work. He is survived by his wife, Evelyn Brown Olin; a daughter, and a brother.

Austin L. Rand, on the staff of the Museum from 1929 to 1942, died on Nov. 6, in Lake Placid, Fl. He was 76 years old and had lived in Lake Placid since his retirement as chief curator of zoology at the Field Museum of Natural History in Chicago. He worked with the American Museum first as an ornithologist on an expedition to Madagascar and later as an ornithologist on the Archbold Expeditions to New Guinea. In 1940, he assisted Richard Archbold in establishing the Archbold Biological Station in Lake Placid, an affiliated research station of the Museum, and returned there in 1970 to serve as a research associate at the station. His travels contributed many rare animal and plant specimens to the Museum's collections. He is survived by his wife, Rheua Medden Rand, and two sons, Stanley and William Rand.

Cleveland E. Dodge, who served the Museum as a trustee since 1923, died on Nov. 24. He was 94 years old. A year after his graduation from Princeton University, Mr. Dodge began a lifelong association with the Phelps Dodge Corporation. He was named a vice president in 1924 and served as an honorary member of the Phelps Dodge Board until his death. His father, Cleveland H. Dodge, had supported Museum exhibitions, expeditions and educational programs for almost 30 years. Continuing this tradition of service to the Museum, Mr. Dodge's gifts included works of art and financial support for Museum funds, exhibitions, research and education. He is survived by his children, Mrs. Bolling W. Hexall, 3rd; Cleve-

land E. Dodge, Jr., and Mrs. Frederick Rueckert, Jr.

William E. Old, Jr., who served the Museum for 22 years as a scientific assistant in the Department of Invertebrates and in 1982 was named senior scientific assistant, died on Dec. 31, in his Manhattan apartment. He was 54 years old. He attended William and Mary College and after military service during the Korean War began a career which was dedicated to the study of natural history subjects in general and mollusks in particular. He was co-author of 13 papers with William K. Emerson of the Department of Invertebrates and authored many scientific papers and popular articles on mollusks. He was also a popular lecturer and judge of shell fairs. He is survived by his mother, Virginia Old. As a memorial to Mr. Old, the Department of Invertebrates has established the William E. Old, Jr., Malacology Fund, contributions to which will be used to support the department's collection of mollusks.

HERE AND THERE

Anthropology: Harry Shapiro, curator emeritus, received the 1983 Annual Award for Distinguished Service in Science from the American Association of Forensic Sciences.

Building Services: Amado Chan, Donna Farnum, Adrianna Bernea and Maria Torres are new Museum attendant guards.

Controller's Office: Barbara Diop was promoted from senior secretary to administrative secretary.

Development and Public Affairs: Gene Barnett is a new secretary for word processing...Daryl Cox is the new senior secretary...Jacqueline Schiffman is now working with the United Negro College Fund after having been senior secretary for a year.

Exhibition and Graphics: Genaro Mauricio has joined the Reproduction Studio as a part-time preparator...Steve Quinn, senior principal preparator, returned recently from the Discovery Tour on the Nile where he identified 102 species of birds and later visited five national parks in Kenya.

Herpetology: For two weeks in January, Janis A. Roze, research associate, was in Brazil where he studied snakes at the Instituto Butantan and Museo de Zoologia of Sao Paulo. He also visited the newly established Universidad do Brasilia...Charles Myers, chairman and curator, returned recently from a one-month field trip to Panama where he continued his study of tropical poison frogs.

Ichthyology: Joining the department are Carl Ferraris as part-time curatorial assistant and Ed Gilland as curatorial assistant...Allison Andors, curatorial assistant, left the department to work on his Ph.D. thesis.

Invertebrates: Glen Rubic has joined as curatorial assistant III.

Library Services: New in the Library are: David Herbet, project associate; Karen Weaver, senior clerk, and Paul Jolicoeur, project librarian.

Mammalogy: Elizabeth Strasser has joined the department as curatorial assistant.

Micropaleontology Press: Liliane Farhi, senior clerk, has left to be married and is now living in London.

Mineral Sciences: The new curatorial assistant III is Andrew Sprecher...Martha Kimball is a new postdoctoral research fellow.

Museum Shop: New part-time sales assistants include Claudia Fountaine and Jolan Rosen.

Natural History Magazine: Chris Aridas is a new secretary...Sherry Kruckwer joined as assistant to the production manager.

Ornithology: George Barrowclough, assistant curator, was made an elective member of the American Ornithologists' Union at a recent meeting in Chicago...Dean Amadon, Lamont curator emeritus of birds, is doing fieldwork at the Archbold Biological Station in Lake Placid, Fl...Jim Drobnick has joined the department as secretary.

Planetarium: Monica Reilly is the new part-time sales assistant.

Grapevine



American
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Darrel F. Schoeling, Museum instructor in the Department of Education, shows the cast of a brontosaurus head to two excited youngsters who attended the 150,000,114th birthday party of the Museum's stegosaurus on May 10 in the Hall of Early Dinosaurs. More than 500 children attended the party, which was a benefit for the Museum, earning \$8,000 and encouraging the growth of a new contributor membership program.

INTERNATIONAL COOPERATION TAKES WING

Some plastic from New York may soon be on the wings of birds over the Jamal Peninsula of Siberia, thanks to the cooperation of the Museum's Department of Ornithology and U.S. government officials.

In April, members of the department were contacted by Evgeny Kurochkin of the U.S.S.R. Academy of Sciences in Moscow with an urgent request for advice on material suitable for marking the wings of gyrfalcons and rough-legged hawks. Ornithologist Vladimir Kaligakin was about to embark on an expedition to study these birds in Siberia. He was concerned that the materials available in Russia as wing tags might adversely affect the flight of these predatory birds, and thus their survival.

Lester L. Short, chairman and curator of the Department of Ornithology, arranged for the donation of two square yards of International Orange Herculite by its New York manufacturer. Herculite is a light plastic ribbon that had been used without harm on birds of prey in this country and was recommended by Dean Amadon, Lamont curator emeritus of birds at the Museum, a leading raptor expert.

With the cooperation of the U.S. Department of the Interior and the U.S. Department of State, the material was sent off to Russia within days with a scheduled State Department courier.

Said Dr. Short about the haste of this cooperation: "I just hope it arrived before Dr. Kaligakin left for Siberia."



Michael W. Klemens (right), scientific assistant in the Department of Herpetology, points out a marking on a snapping turtle to John Hecklau, a wildlife biologist with the Central Park Conservancy. The turtle, about 14 inches long and weighing close to 25 pounds, was the largest of its species ever found in Central Park. It was discovered by Martin Daly, an electrician, and Brian Yorke, a carpenter, both of the Department of Construction and Maintenance, on their way to work. The turtle was marked and released unharmed, but only after hissing into the microphone of a radio reporter standing nearby.

1982 UNITED WAY CAMPAIGN SETS NEW GIVING RECORD

Almost 60 percent of American Museum employees contributed \$9,869.64 to the 1982 United Way campaign making it the most successful campaign in the Museum's history.

With an average gift of \$26.96 per contributor, the total for the year represents a seven percent increase over the 1981 drive.

Chairwoman of the 1982 drive was Catherine Pessino, assistant chairwoman of the Department of Education; assistant chairwoman was Norene L. Brooks, plant manager.

Museum director Thomas D. Nicholson expressed his enthusiasm for the United Way goals and the Museum employees' response saying: "Each year our employees respond to this worthy cause with generosity in time and money, and 1982 was no exception. As our gift per contributor and the total gift increases, we progress toward the goal of 100 percent giving at the American Museum."

CHARLES A. DANA WING IS INAUGURATED

The Charles A. Dana Education Wing was officially inaugurated on May 12 with music, dancing, film showing and speeches that highlighted its versatility. In separate ceremonies, other portions of the Wing were dedicated and grant givers honored.

The evening began with a reception in the lobby of the Harold Linder and Henry Kaufmann Theaters. Activities then moved to the Linder Theater for a welcome by Museum president Robert G. Goelet followed by a film excerpt. The film, "The Navigators," which will premiere at the 1983 Margaret Mead Film Festival, was introduced by Malcolm J. Arth, chairman and curator of the Department of Education. The evening's program ended in the Kaufmann Theater with a colorful presentation of music and dance by the Ron Roach Dance Company and closing remarks by Museum director Thomas D. Nicholson, citing the generosity and foresight of the Dana Foundation.

Hailing the goals of the Museum, Robert N. Kreidler, president of the Dana Foundation, spoke during the opening ceremonies of the foundation's pleasure in playing a part in expanding the Museum's educational capabilities. Also present at the ceremonies were Mr. and Mrs. Frederick H. Leonhardt, whose grant through the Leonhardt Foundations (in honor of Mr. Leonhardt's father, Frederick H. Leonhardt) provides an endowment for the renamed Frederick H. Leonhardt People Center.

A grant to the Museum from the Dana Foundation was applied to the design and construction of a unified education complex within which six facilities on the first and second floors are linked by a new elevator. When completed, the Wing will include four new spaces: two theaters, a studio room and a lecture room, in addition to existing facilities which have been incorporated into it. The existing facilities include the Louis Calder Laboratory, the Leonhardt People Center and the Alexander M. White Natural Science Center.

Charles A. Dana Education Wing



(left to right) Mr. and Mrs. Charles A. Dana, Robert N. Kreidler, president of the Dana Foundation, and Mr. Clark M. Whittemore, secretary/treasurer of the Dana Foundation, and Mrs. Whittemore exit after the ceremonies inaugurating the new Dana Education Wing



Museum director Thomas D. Nicholson (left) talks about plans for the Dana Education Wing with Mr. and Mrs. Frederick H. Leonhardt



Robert N. Kreidler, president of the Dana Foundation, listens as Malcolm J. Arth, chairman of the Museum's Department of Education, describes programming in the Dana Education Wing. In the background are panels done for the Museum by artist Hugo Mochi, which were formerly exhibited in the Museum cafeteria and are now prominently displayed in the lobby of the Linder and Kaufmann Theaters

TAXIDERMIST RENEWS NATURAL SHINE OF 500 FINE FEATHERED FRIENDS

A broken wing, a faded breast, wrong-colored eyes, a misshapen beak—almost like a physician, David J. Schwendeman is healing birds which have patiently suffered display in the Hall of Biology of Birds for 35 years.

With paint, gasoline and wax, the Museum's chief taxidermist of 23 years and several other preparators are delicately restoring 500 feathered stars to their natural sparkle. In September, 800 members of the American Ornithologists' Union will gather here, and the Museum's birds must shine.

All birds in the hall require cleaning—a bit of gasoline brushed on the feathers will usually do. Some need a major overhaul. The Great White Heron's wing had snapped, and the Andean Condor's fleshy growth over its beak had shriv-

eled to almost nothing.

One of the biggest toll-takers is ultraviolet light, which managed to fade even the trogon's bright red breast and turn a flamingo nearly white.

"Capturing the iridescence of the colors with paint is the most difficult part of the work," said Mr. Schwendeman, who is senior principal preparator in the Department of Exhibition and Graphics.

Each bird requires at least two hours work. It must first be cleaned and checked for accuracy against reference books or the skins in the Ornithology Department's collections. Then, any serious work begins.

"All birds were mounted according to scientific standards in the 1930s, but our knowledge has changed since then," he explained.

Ornithologists Wesley E. Lanyon, Lamont curator of birds, and Mary LeCroy, scientific assistant, check each bird before it is reinstalled in the hall.

Mr. Schwendeman grew up in a taxidermy shop. His father was a taxidermist and, now, so is his son.

Taxidermy requires an artist's eye and hand, and a natural-



David J. Schwendeman

ist's love of animals. The Schwendeman family's collection of mounted birds was featured in "The Prudential Collectibles' Calendar 1983" which was distributed to Prudential's salespersons and policyholders nationwide. In fact, three of the calendar's 12 photographs of other unusual collectibles, including branding irons and antique tools, were taken at the log cabin built by Mr. Schwendeman's father.

The Sanford Memorial Hall of the Biology of Birds will sparkle come September due, in part, to the careful hands and sharp eyes of David Schwendeman.

NEW STAFF LOUNGE OPENS ON FIFTH FLOOR

Incorporating history with the most modern decorating styles, the new staff lounge has opened recently. The lounge is in part of the fifth floor area formerly used by Norman D. Newell, curator emeritus in the Department of Invertebrates,



Joe Sedacca in new staff lounge, fifth floor

as his office. Dr. Newell moved to his new office, also on the fifth floor, in 1981 and renovation on the new lounge began in 1982.

"The primary reason for the move of the lounge from its old quarters on the fifth floor to this new location near the 77th Street elevators was to give staff members a more central location," said Joseph M. Sedacca, Graphics manager, who designed the lounge. "I was given the green light to design the lounge by Walter F. Koenig, retired manager of Construction and Maintenance, and received approval from Thomas D. Nicholson, Museum director. Because of the confidence given to me by the administration, I was able to complete the room as I conceived it. I wanted a room that kept the turn-of-the-century flavor while adding modern conveniences to make the space more comfortable and versatile."

The result is an inviting space: a multilevel, carpeted area, in colors of warm brown with a magenta accent taken from the fireplace, functionally modern chairs, window blinds, chalk boards and other conveniences. Into this are integrated pieces of history: a huge stag's head, on loan from the Department of Mammalogy, and an impressive fireplace of wood, grossular garnet and vesuvianite, an effective melding of the Museum's past and present.

AMNH CREDIT UNION HOLDS ANNUAL MEETING

At the 48th annual meeting of the AMNH Employees Federal Credit Union earlier this year, Audrey Yuille, Muriel Williams and Irene Palser were elected to three-year terms on the nine-member Board of Directors, and Anthony Macaluso was elected to a three-year term on the three-member Credit Committee.

The Treasurer made the following report: loans to members, \$329,856.92; members shares, \$417,920.31; checking account, \$45,388.50; common trust investment, \$96,938.81; savings account, \$3,500; liabilities and assets, \$477,304.91.

The Board of Directors declared a 10 percent dividend for the last quarter of 1982, and a seven percent dividend was declared for the quarter ending March 31, 1983.

At the monthly meeting on May 16, the Board voted to pay a seven percent dividend rate on savings on deposit for the quarter ending on June 30. To be eligible for a loan of any size, members must have a minimum balance of \$100 in their shares. Other charges in loan eligibility and limits were also voted by the Board, effective January 1, 1984.

For further information on the Credit Union, visit the office between noon and 1 p.m. on Tuesdays and Thursdays in the basement of the Roosevelt Building across from the north elevators. Do not go to the offices of the treasurer or assistant treasurer for information on the Credit Union. The Union is owned and operated by its members, and all full-time, paid Museum employees are eligible to become members.



Enid Schildkrout, associate curator, Department of Anthropology, and John A. Van Couvering, editor, Micropaleontology Press, preview the "African Textiles" exhibition for their twins, Alicia Sarah (front) and Benjamin Martin. Born

on Aug. 30, the children are believed to be the first twins born to a Museum curator. Dr. Schildkrout is curator of the "African Textiles" exhibition which opened in Gallery 3 on June 15.

HERE AND THERE

ANTHROPOLOGY: The new research fellow is **John Hyslop**...**Gene Mackay**, research fellow of the Rochester Museum and Science Center who has done research in the collections of the Museum's Department of Anthropology for almost two years, recently completed illustration of the book, "Aspects of Change in Seneca Ladles A.D. 1600."

BUILDING SERVICES: **Donna Farnum**, **Amado Chan**, **Isabelle Andreola**, **Richard Rickman**, **John Cifarelli**, **Carmelita Yonzon**, **Deborah McNeil**, **James Wilkens**, **Wayne Joseph** and **Clevie Gall** are new museum attendant guards...**Shirley Cubillo** was promoted from secretary to senior secretary.

CONTROLLER'S OFFICE: The new senior secretary is **Zalima Khan**.

DEPUTY DIRECTOR FOR RESEARCH: From April 15-23, **Jerome G. Rozen, Jr.**, deputy director, his wife, **Barbara**, and **Marjorie S. Favreau**, scientific assistant emerita in the Department of Entomology, visited St. Catherines Island in Georgia to study a bee that obtains pollen from the holly that blooms there. In addition, Dr. Rozen found two species of bees that had not yet been recorded on the island.

DEVELOPMENT AND PUBLIC AFFAIRS: **André Clophie** joined as secretary in Development, and **Annette Hallberg** is the new cashier for Naturemax...Volunteer employee, **Odile Stern**, has recently received an award from Mayor Koch for her work on behalf of crime victims. As the mother of a crime victim who channeled her anger and pain into positive action, Mrs. Stern was one of five individuals cited by the Mayor.

EXHIBITION AND GRAPHICS: At the Annual Meeting of the American Association of Museums, the Museum received an award of merit in the 1983 Museum Publications Competition in the category of "brochures, folders and handouts," for the 1983 Spring Lecture Series brochure.

GENERAL ACCOUNTING: The new accounts payable supervisor is **Maria Luna**.

HERPETOLOGY: **Charles Cole**, curator, is studying unisexual lizards at the Museum's Southwestern Research Station. He is being assisted by **Carol Townsend**, senior scientific assistant, and by his son, **Jeff**.

ICHTHYOLOGY: **C. Lavett Smith**, curator, lectured on the ecology of fishes, deep-sea exploration and oceanic fish during a trans-Atlantic cruise, April 2-23, with the Museum's Discovery Tours...**Carl Ferraris**, part-time curatorial assistant, left the department to continue his graduate studies. He was succeeded by **Loretta Stillman** who joined as part-time curatorial assistant.

LIBRARY SERVICES: **Nina J. Root**, chairwoman, and **Pamela Haas**, assistant librarian for Archives and Photographic Collection, were in London, March 23-31, to attend the international conference of the Society for the History of Natural History. Ms. Root chaired one of the sections...

Bryan Johnson, acquisitions librarian, married **Phyllis Bates**, director of systems at Hunter College's library, on March 26; they spent their honeymoon in London...**Terrie Ashley** is a senior clerk, and **Denise Ethier** is the new senior secretary...**Sophia Kittredge** and **Celeste Chute** have joined as part-time library assistants...The new part-time library research assistant is **Valerie Wheat**...**Brian Cooper** is the new photographic collection librarian...Reference librarian, **Lynn Wiley**, reports that staff members of the Muppet Show do animal research in the Museum Library and that she receives personal "thank-yous" from Kermit the Frog.

MAMMALOLOGY: Joining the department as secretary is **Susan Terry**.

MINERAL SCIENCES: The department's new technical specialist is **Boris Dubrovsky**.

MUSEUM SHOP: New senior clerk is **Patricia Madonia**...New part-time sales assistants are **Tracey Covington**, **Carol Grant**, **Frank Forlini**, **Carol Edmonds**, **John Dunat**, **Firmine Jean-Baptiste**, and **Lorraine Cambridge**...**Patrick Amato** is a new part-time supervisor.

ORNITHOLOGY: **George Barrowclough**, assistant curator, is doing field work at the Southwestern Research Station until June 25...**Stuart Keith**, research associate, recently returned from a field trip to the Philippines...**John Bull**, scientific assistant, retired on April 30, after 10 years with the Museum. He will continue with the Museum as a field associate and in October will lead a Discovery Tour to East Africa...**Allan O'Connell**, senior technician, also retired on April 30. Mr. O'Connell was with the Museum for 44 years, starting his career here in the Mail Room in 1939 and joining the Department of Ornithology in 1954 as a technician. He plans to devote more time to his hobbies and to travel with his wife. He also plans to return to the Museum to help with the American Ornithologists' Union centennial meeting in September.

PLANT MANAGER'S OFFICE: Joining the department as construction manager is **Franklin Reiferson**...**Jor Mui** is the new museum maintainer...**Philip Reyes** has been hired as assistant museum maintainer.

VERTEBRATE PALEONTOLOGY: **Ernst Heying**, senior technician, retired after 25 years of work in the Frick/Vertebrate Paleontology Laboratory. He and his wife, **Wilhelmine**, will live in the Poconos.



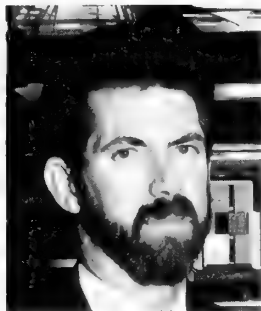
JULY/AUGUST 1983

VOL. 40, NO. 4

TWO SCIENTIFIC DEPARTMENTS HAVE NEW CHAIRMEN THIRD CHAIRMAN REAPPOINTED



Craig E. Morris



David Hurst Thomas



Michael J. Novacek



Richard H. Tedford



Martin Prinz

Changes have been announced in the chairmanships of two scientific departments—Anthropology and Vertebrate Paleontology; in Mineral Sciences, the current chairman has been reappointed. Within each scientific department at the Museum, chairmanships are usually changed every seven years on a rotating basis. The changes were effective July 1.

In the Department of Anthropology, Craig E. Morris, associate curator, has been named department chairman. He succeeds David Hurst Thomas, curator.

Michael J. Novacek, associate curator in the Department of Vertebrate Paleontology, is that department's new chairman, succeeding Richard H. Tedford, curator. Mineral Sciences Department chairman Martin Prinz, having held the post for seven years, has been reappointed for another five years.

Dr. Prinz was named chairman of the then Department of Mineralogy in January, 1976. He had served as a research associate in the department since 1972, leaving the Institute of Meteoritics at the University of New Mexico to accept the chairmanship. In his first year as chairman, he proposed that the name of the department be changed to Mineral Sciences to reflect the breadth of future activities.

The new head of the Department of Anthropology, Dr. Morris, is considered a leading authority on the archeology of

Andean South America. He is specifically interested in reconstructing the economy and politics of the Inca Empire of South America. Continuing work on the Chincha Valley archeological project, Dr. Morris will spend the summer on the southern coast of Peru.

Outgoing chairman, Dr. Thomas spent an average of five months out of each year in the field during his seven years as chairman. He will devote his time to the archeology of western and southeastern North America. His excavations have included Gatecliff Shelter (see article below), Hidden Cave and Alta Toquima in Nevada and of the Spanish mission on St. Catherine's Island, Ga.

Dr. Novacek, the new Vertebrate Paleontology chairman, is a specialist in the evolution of hearing in mammals and in the evolution and relationships of placental mammals.

In his search for fossils of early Tertiary vertebrates, Dr. Novacek returned to Wyoming and eastern Utah in July. This spring he conducted field work in southern Baja California in cooperation with the Institute of Geology in Mexico City.

Former chairman Richard H. Tedford has focused his research on tracing the history of marsupials. In 30 years of research in Australia, he has followed their fate over 20 million years to the period of extinction on that continent at the end of the last Ice Age.

CONGRESSMAN JAMES SANTINI HONORED FOR WORK WITH GATECLIFF SHELTER

Former Nevada Congressman, James Santini, was cited in the most recent volume of the Museum's *Anthropological Papers* for his work with the Department of Anthropology's archeological project at Gatecliff Shelter (Nevada). Volume 58, part 1, of *Anthropological Papers* was dedicated to Congressman Santini for his "campaigning on behalf of an archaeological site, without regard for political considerations..." The dedication was written by David Hurst Thomas, curator and then chairman of the Department of Anthropology.

Gatecliff Shelter was the highlight of a decade-long project in Nevada's Monitor Valley to study prehistoric human ecology. The Shelter was the deepest New World cave or rock shelter yet explored by archeologists, and excavation re-

vealed artifacts ranging from 5000 BC to 1300 AD. Congressman Santini raised more than \$17,000 from mining companies to support the work at Gatecliff Shelter. Their cooperation represented the first time that mining recovery interests and historical sites worked together to preserve a major archeological site.

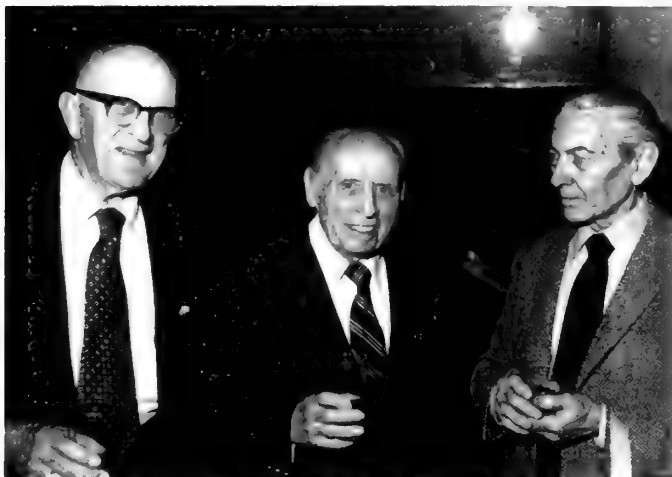
Congressman Santini visited the Museum in April to receive a copy of the dedicated volume of *Anthropological Papers*. Dr. Thomas said of Congressman Santini: "In addition to his personal encouragement and enrichment through his own genuine interest in archeology, I publicly acknowledge his fund-raising efforts on behalf of the Monitor Valley project. His efforts will not soon be forgotten."

QUARTER CENTURY CLUB GAINS EIGHT NEW MEMBERS

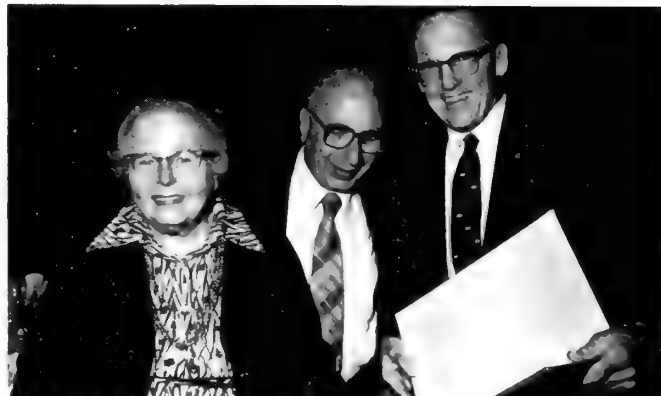
Director Thomas D. Nicholson, President Robert G. Goelet welcomed eight new members into the Museum's Quarter Century Club during the Club's 34th annual dinner on May 24 in the Hall of Ocean Life.

The eight honorees have each given 25 or more years of service to the Museum.

Joining the club in 1983 were: Robert L. Carneiro, curator, Department of Anthropology; August Corradini, Jr., senior attendant, Building Services; Terrence Dolan, senior attendant, Building Services; Andrew Drago, attendant, Building Services; Richard M. Dunne, senior attendant, Building Services; Salvatore Furnari, sheet metal worker, Construction and Maintenance; Wesley E. Lanyon, Lamont Curator of Birds; and Ethel Tobach, curator, Department of Mammalogy.



(left to right) Emil W. Kremer, George E. Petersen and Ludwig Ferraglio, who collectively spent more than 100 years at the Museum, are reunited at the Quarter Century Club Dinner in the Hall of Ocean Life. Mr. Kremer left the Museum in 1969 and was superintendent, maintenance and construction, in the Department of Plant Operation and Maintenance. Joining the Museum in 1933, Mr. Petersen retired in 1973 as chief preparator, preparation, in the Department of Exhibition and Graphic Arts. Mr. Ferraglio was a taxidermist in the Department of Exhibition and Graphic Arts for 37 years, from 1930 to 1967.



One of the newest members of the Quarter Century Club, Wesley E. Lanyon, Lamont Curator of Birds, (right) is congratulated by long-time member, Lester Aronson, curator emeritus in the Department of Ichthyology, and his wife, Evelyn. Dr. Aronson has been a member of the club for more than 18 years, joining the Museum staff in 1940.

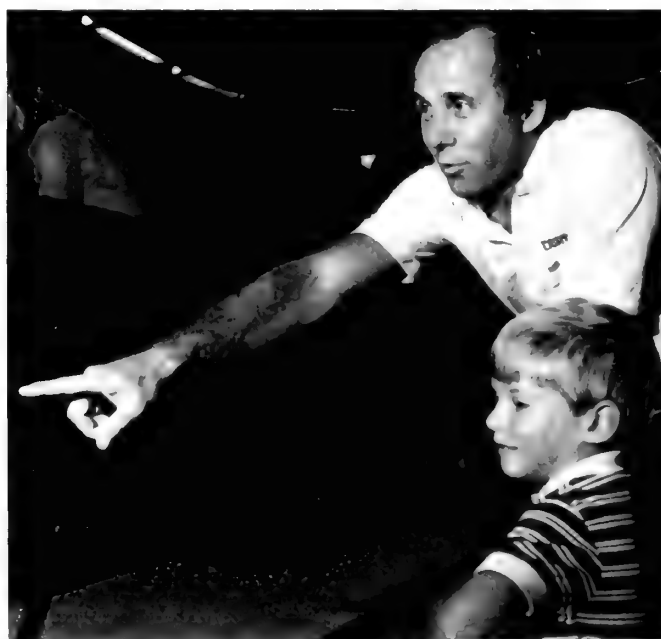


Matthew Kalmenoff, who spent almost 30 years at the Museum as a painter in the Department of Exhibition, returned for the 1983 Quarter Century Club Dinner. He stands in the Hall of Ocean Life in front of the killer whale and leopard seal display, one of many in the Museum for which he did the background paintings.

MUSEUM HOSTS VARIETY OF VISITORS



Two bed-confined teenagers are given a tour of the Museum by an employee of Hospital Audiences, Inc. and Kenneth A. Chambers, (right) Museum coordinator for adult programs in the Department of Education. The tour was part of the first full-scale use of specially-designed mobile beds in the United States. Hospital Audiences, Inc. arranged the visit for five patients to demonstrate that public institutions can be made accessible to bedridden patients. Designed in the Netherlands, the beds are particularly narrow and have bicycle-like wheels for increased mobility. They have been used in the Netherlands for more than 30 years.



President Reagan's four-year-old grandson, Cameron, and the boy's father, Michael Reagan, examined the 64 1/2-foot-long Haida Ceremonial Canoe during their July 5th visit to the Museum. With a Secret Service escort, they toured the dinosaur halls and the Hall of Ocean Life, where Cameron examined every diorama. They also watched "To Fly" in the Naturemax Theater.

FREDERICK SEITZ, MUSEUM TRUSTEE, RECEIVES NSF'S VANNEVAR BUSH AWARD

Frederick Seitz, Museum trustee, has been awarded the fourth Vannevar Bush Award by the National Science Board, the 25-member policy-making body of the National Science Foundation.

Dr. Seitz is an internationally known pioneer in solid state physics and is president emeritus of the National Academy of Sciences and Rockefeller University.



Frederick Seitz

The Vannevar Bush Award is presented from time to time to acknowledge outstanding contributions in science and technology that have particular significance to the national welfare.

Dr. Seitz is regarded as one of the founders of the quantum theory of solid state matter. His book, "The Modern Theory of Solids," published in 1940, became the standard text in the field. Dr. Seitz followed that in 1943 with an equally important work, "The Physics of Metals." He postulated the theory that explained the workings of the bubble chamber, a vital instrument in high-energy physics. Dr. Seitz contributed to the development of the nuclear reactor design, conducted studies leading to the theory of the plastic properties of solids and was an early investigator into the problem of radiation damage.

Dr. Seitz was elected president of the National Academy of Sciences in 1962, the first to serve full-time in that post. He held it until 1969. Elected to the Board of the American Museum in 1975, Dr. Seitz currently serves on the Science Policy Committee.

DAVID D. RYUS RETIRES AS MUSEUM VICE PRESIDENT

David D. Ryus, Museum vice president, retired on July 31. Mr. Ryus will maintain an office in New York City but will retain no formal association with the Museum.

Mr. Ryus's responsibilities were for Development, Membership and other Museum support activities. He served as publisher of *Natural History* magazine for a decade. When L. Thomas Kelly assumed duties as publisher in 1982, Mr. Ryus remained involved in the magazine's activities as a consultant and as a member of the editorial advisory board.

MUSEUM LIBRARY RANKS TOPS AMONG NATION'S GRANT RECIPIENTS

In 1978 the Museum's Library received its first Title II-C grant under a new program called "Strengthening Research Library Resources Program," which was begun that year by the Department of Education. This award placed the Museum in a select group of research and educational institutions such as Harvard University and the New York Public Library receiving grants that first year. Since then, the Museum Library has received Title II-C grants each year, totaling more than \$1 million, through 1982-83, and placing it among the top seven grant receiving libraries in the country.

"Until 1978, when this program was begun, there was no funding specifically for research libraries," said Nina J. Root, chairwoman for Library Services. "There was money for educational institutions and for medical and technical institutions, but research libraries just did not fit in, except for occasional small grants."

The grants have allowed the Museum Library to significantly improve its collections, preserve valuable documents and strengthen access between this and other library collections.

"Since our Library is structured primarily to support scientific research and exhibition work at the Museum, we have used these grants funds to buy a large number of retrospective volumes to make our collections more complete," said Ms. Root. "We have also been able to recatalog and produce



Diana Shih, cataloging librarian, works on the O.C.L.C., Inc., terminal acquired on a U.S. Department of Education grant to the Museum Library

automatic cataloging for our more than 17,000 Museum serial titles collection.

"Other improvements that these grants have allowed include: participating in a national network of libraries for cataloging, which makes access and contributions quicker and more standardized; cataloging of the Museum Library's Photographic Collection, and development of a 'Photographic Cataloging Manual.'"

"Credit is also due other granting agencies which have helped us to improve our collections. A grant from the National Endowment for the Humanities allowed us to begin inventorying our photographic collection; National Endowment for the Arts preservation grants gave us funds for restoring collections, and the New York State Council on the Arts gave us grants for photographic preservation."

THEIR PASSING IS MOURNED

A Museum trustee and three Museum employees died recently. To their families and friends, heartfelt sympathy is expressed.

David Allan Shepard, a Museum trustee since 1968, died July 11. He was 80 years old. Mr. Shepard, a retired chemical engineer, was a former executive vice president of the Standard Oil Company of New Jersey and former chairman of the Rand Corporation. He served on committees of the Board, including the Science Policy Committee. Mr. Shepard became an honorary trustee in 1966. He is survived by a sister, Jean Martin of Denver; a son, David Jr. of Berkeley, Calif.; a daughter, Katherine B. Shepard of New Vernon, N.J., and five grandchildren.

Joseph Rothstein, associate in the Department of Mineral Sciences, died on June 28. He was 73 years old. Mr. Rothstein was affiliated with the department for

15 years, first as a volunteer and then as an associate. He had recently completed the manuscript for a book on gem nomenclature which will be published in 1984. He is survived by his wife, Ruth.

Dorothy Gauthier, supervisory clerk in General Accounting, died on June 18. She was 53 years old. "During her 18 years' service in General Accounting, she was a conscientious, devoted and considerate worker," said Ethel Brill, office manager. She is survived by her husband, Gordon, and daughter, Dorothy.

On June 26, Michael Pryce, part-time projectionist in the Audio-Visual section of the Department of Exhibition and Graphics, died. He was 40 years old. Mr. Pryce had worked as projectionist on weekends in the People Center (later renamed the Frederick H. Leonhardt People Center) since November, 1980. He is survived by his wife, Jean.

HERE AND THERE

ANTHROPOLOGY: **Craig E. Morris**, associate curator, was appointed chairman, succeeding **David Hurst Thomas**, curator (see story page 1)...**Enid Schildkrout** was promoted from associate curator to curator...The new conservator for the Hall of South American Peoples is **Nancy Demyttenaere**...**Landis Smith** is the department's new scientific assistant...**Laurel Kendall**, assistant curator, will spend the summer in Korea doing postdoctoral research...Two new research associates, **Allen May** and **Clark Spencer Larsen**, are working on St. Catherines Island...**Robert L. Carneiro**, curator, was chosen by the Board of Governors of the New York Academy of Sciences to become a fellow of the Academy...**Deborah Mayer**, curatorial assistant III, will be married to Dennis O'Brien on Sept. 3. Mr. O'Brien is the consultant who does the artwork and illustrations for Dr. Thomas's research on St. Catherines Island and other projects.

BUILDING SERVICES: **Per Larsson** is the new assistant manager.

CASH CONTROL OFFICE: **Bernice Walker**, assistant manager, married Kushmir Falik on June 18. They honeymooned in the Bahamas...**Monard Marcello** and **Salvatore Ferrigno** have been hired as assistant managers.

DEVELOPMENT AND PUBLIC AFFAIRS: The new part-time information desk supervisor for Volunteer and Information Desk Services is **Ophelia Smith**.

GENERAL SERVICES: **James Blake**, senior clerk, and **Sharon Turner** were married on May 31. They spent their honeymoon in San Francisco.

HERPETOLOGY: **Charles W. Myers**, chairman, spent a week lecturing at the University of Michigan in Ann Arbor and reviewing the herpetological division there...**Richard G. Zweifel**, curator, and his wife, **Frances**, were on St. Catherines Island in May where they completed the department's lizard ecology project...**Carol Ann Simon**, research associate, is on sabbatical leave from CUNY to do fieldwork.

ICHTHYOLOGY: **C. Lavett Smith**, curator, and **Lynne R. Parenti**, research associate, attended the annual meeting of the American Society of Ichthyologists and Herpetologists in Tallahassee, Fla. Dr. Parenti presented two talks, one on species flocks and the other on the genus *Orestias*. Dr. Smith has been elected a fellow of the American Association for the Advancement of Science.

INVERTEBRATES: **Walter Sage III** is the department's new scientific assistant.

LIBRARY SERVICES: The department hired **Jean Galowitz** as project associate...**Nina J. Root**, chairwoman; **Pamela B. Haas**, assistant librarian for Archives and Photographic Collection, and **Mary Genett**, assistant librarian for Reference Services and Conservation, attended the American Library

Association (ALA) conference in Los Angeles. Ms. Genett was elected secretary of the ALA's Preservation of Library Materials Section. She and Ms. Root participated in the Association's pre-conference on Library Binding.

MUSEUM SHOP: Two new part-time sales assistants are **Laura Gadson** and **Anthony Berman**.

NATURAL HISTORY MAGAZINE: **Rebecca Finnell** was promoted from associate editor to senior editor...Another new senior editor is **David Weinberg**...The new business manager is **Ruth McCrea**...**Robert DeAngelis** joined as part-time publications assistant.

ORNITHOLOGY: **Robert Bradley**, formerly a curatorial assistant III in the Department of Vertebrate Paleontology, was promoted to museum technician in the department...

François Vuilleumier, curator, presented a paper entitled "Rates of Faunal Turnover in Fossil North and South American Birds" at a meeting of the Society for the Study of Evolution at Washington University in St. Louis, Mo....**Helen Hays**, chairwoman of the Great Gull Island Committee and 20 co-workers are conducting research on the breeding biology of common and roseate terns...**George F. Barrowclough**, assistant curator, was at the Southwestern Research Station and in New Mexico doing fieldwork for two months on the development and growth patterns of young songbirds and on hybridization in juncos...**Lester L. Short**, chairman and curator, and his wife, **Jennifer Horne**, spent the last two weeks in May studying Strickland's Woodpecker at the Southwestern Research Station...**Cheryl F. Harding**, research associate, presented a talk on antigen receptors in finch brains at the Conference on Reproductive Behavior at Tufts University...Dr. Short, his wife and **George Barrowclough** attended and read papers at the Cooper Ornithological Society meeting in Albuquerque, N.M....Dr. Harding and graduate student **Kevin Sheridan** attended the meeting of the Animal Behavior Society at Bucknell University in Lewisburg, Pa. Dr. Harding presented a talk on the control of male Zebra Finch behavior by female hormones, and Mr. Sheridan presented a paper which outlined his research on mate selection by female Zebra Finches.

PERSONNEL: **Jerome Williams** was promoted from senior personnel assistant to assistant manager.

PLANETARIUM: **Vincent Reilly** is a new part-time sales assistant.

PLANT MANAGER'S OFFICE: **Dominique Ledan**, **Cassandra Freeman** and **Raymond Maisonet** have joined as museum maintainers.

VERTEBRATE PALEONTOLOGY: **Michael J. Novacek** was appointed chairman of the department succeeding **Richard H. Tedford** (see article page 1).

Grapevine



American
Museum of
Natural
History

SEPT./OCT. 1983

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UP, UP AND AWAY, AS FLIGHT IS SALUTED

No, you weren't seeing things as you came out the 77th Street entrance to the Museum on Aug. 19. That really was a giant hot air balloon hovering outside the door.

The balloon was brought here for the day by the Naturemax Theater in a "Salute to Flight," as part of the worldwide commemoration of the 200th anniversary of manned flight. It also attracted considerable attention in the print and broadcast media and among Museum visitors and passersby alike.

The first manned hot air balloon was sent aloft in France in 1783. Naturemax Theater audiences can share the balloon flight experience in "To Fly."



CHANGES HAVE BEGUN IN HALL OF BIOLOGY OF MAN

Big changes are afoot in the Hall of the Biology of Man (1st floor off the 77th Street foyer).

A portion of the current area occupied by the hall will be taken for new special exhibition space, to be called Gallery 1. The new space will be opened with the special exhibition, "Ancestors: Four Million Years of Humanity," in April.

There will be extensive changes in some of the familiar exhibits in the hall, while others—such as the famous "transparent woman"—will be displayed to better advantage. The new permanent exhibition will probably be called the Hall of Human Biology and Evolution. Ian Tattersall, curator in the Department of Anthropology, will be curator for both the new hall and for the "Ancestors" exhibition. The new permanent exhibition area is scheduled to open in 1986.

"Changes were necessary for a variety of reasons," said Museum director Thomas D. Nicholson. "With the increasing number of special exhibitions, more space was needed to house them. Also, with the explosion of knowledge in the field of human biology since the hall opened more than 20 years ago, updating and refinement of information and displays were required."

MUSEUM EMPLOYEE'S FAMOUS AUNT WINS NOBEL PRIZE

Barbara McClintock, an 81-year-old geneticist from Cold Spring Harbor, N.Y., won the Nobel Prize for medicine on Oct. 10. Dr. McClintock, the first woman to win an unshared Nobel Prize in Physiology or Medicine, is the aunt of Mitzi Bhavnani, the new manager of volunteer and information desk services.

Dr. McClintock won the prize for her discovery that genes can move from one spot to another on the chromosomes of a plant and change the future generations of plants it produces.

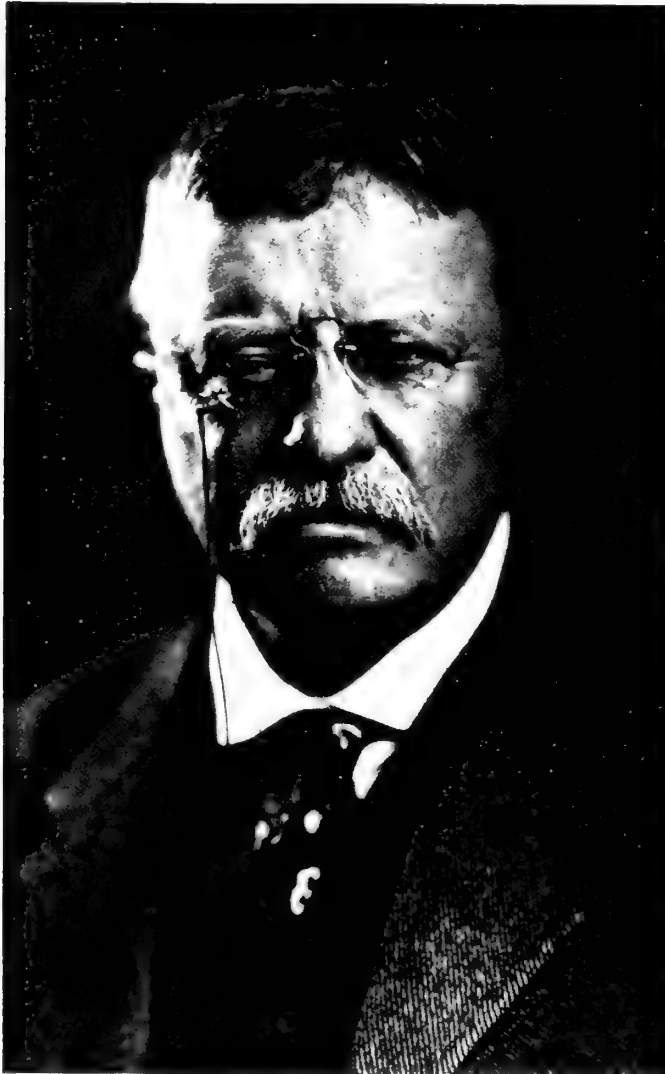
Her discovery of "mobile genetic elements," now sometimes called "jumping genes," was made more than 30 years ago. Only in the last decade have researchers begun to realize the importance of that work and to extend its insights into diseases of humans and animals.

In 1982, Mrs. Bhavnani accompanied her aunt to Israel where Dr. McClintock received the prestigious Wolf Prize for her contributions in the field of genetics. Mrs. Bhavnani and her husband, Ashok, have been invited to accompany Dr. McClintock to Stockholm in December for the presentation of the Nobel Prize.

MUSEUM FEATURES TR'S NATURAL HISTORY ROLE

The 125th anniversary of the birth of Theodore Roosevelt—the "Conservationist President"—triggered a burst of activity at the Museum in October. The Theodore Roosevelt Association held its annual reception and dinner here on Oct. 27, and a small, special exhibit was set up in Roosevelt Memorial Hall, saluting TR's many contributions to natural history.

The Museum was selected as the most fitting site for the 125th anniversary celebration because of its close, continuous ties with Roosevelt. His father played a key role in the



Theodore Roosevelt

founding of the Museum in 1869. TR himself donated many specimens to the Museum throughout his life. In fact, Roosevelt contributed 2,500 birds, 500 mammals, and many fish, reptiles, insects and amphibians obtained during his explorations.

His influence is reflected in the Museum's Roosevelt Memorial Hall. The hall is decorated with some of TR's quotations on nature, manhood, youth, and the state and with three colorful murals celebrating TR's accomplishments.

The special exhibit, "Theodore Roosevelt—A Natural Naturalist," focuses on his travels, studies of bird coloration, and conservation measures enacted while he was President.

The Theodore Roosevelt Association is a national historical society and public service organization founded in January, 1919, to "perpetuate his memory for the benefit of the people of the United States of America and the world."

ORNITHOLOGISTS RETURN TO MUSEUM TO CELEBRATE CENTENNIAL OF AOU'S FOUNDING

More than 1,000 ornithologists flocked to the American Museum the week of Sept. 25-30 to celebrate the centennial of the American Ornithologists Union's (AOU) founding at the Museum in 1883.

One hundred years ago, 21 persons gathered at the Museum to begin what became the AOU. Now, the AOU has more than 4,000 members. In 1983, the AOU had the largest meeting in the history of ornithology. Participants came from 21 countries including Poland, Japan and Australia.

Mayor Edward I. Koch joined the centennial celebration, welcoming the organization upon its "return to the nest" and speaking on the importance of birds in the city's life.

Ernst Mayr, curator emeritus in the Department of Ornithology and former Museum trustee, delivered the first keynote lecture. One of the world's foremost ornithologists, Dr. Mayr is Agassiz Professor of Zoology Emeritus at Harvard University.

The Great Auk, the AOU symbol, was prominent at the meeting, on "I Love New Yauk" buttons, atop a 4½-foot centennial cake and in the Museum halls. An AOU member dressed as the extinct bird greeted Mayor Koch upon arrival.

The Centennial Meeting capped years of planning, primarily by the Museum's Department of Ornithology. Lester Short, department chairman, headed the local arrangements committee, whose members were drawn primarily from the department. George F. Barrowclough, assistant curator in ornithology, chaired the committee on the scientific program.

Meeting days started as early as 7 a.m. for participants who wanted to see the migrating birds in Central Park. Days were packed with scientific sessions in which 370 papers were presented and six keynote lectures delivered. Evenings were filled with films, a piano recital from Olivier Messiaen's "Catalogue D'Oiseaux," banquets and receptions such as the one hosted by Museum trustees on Centennial Day.

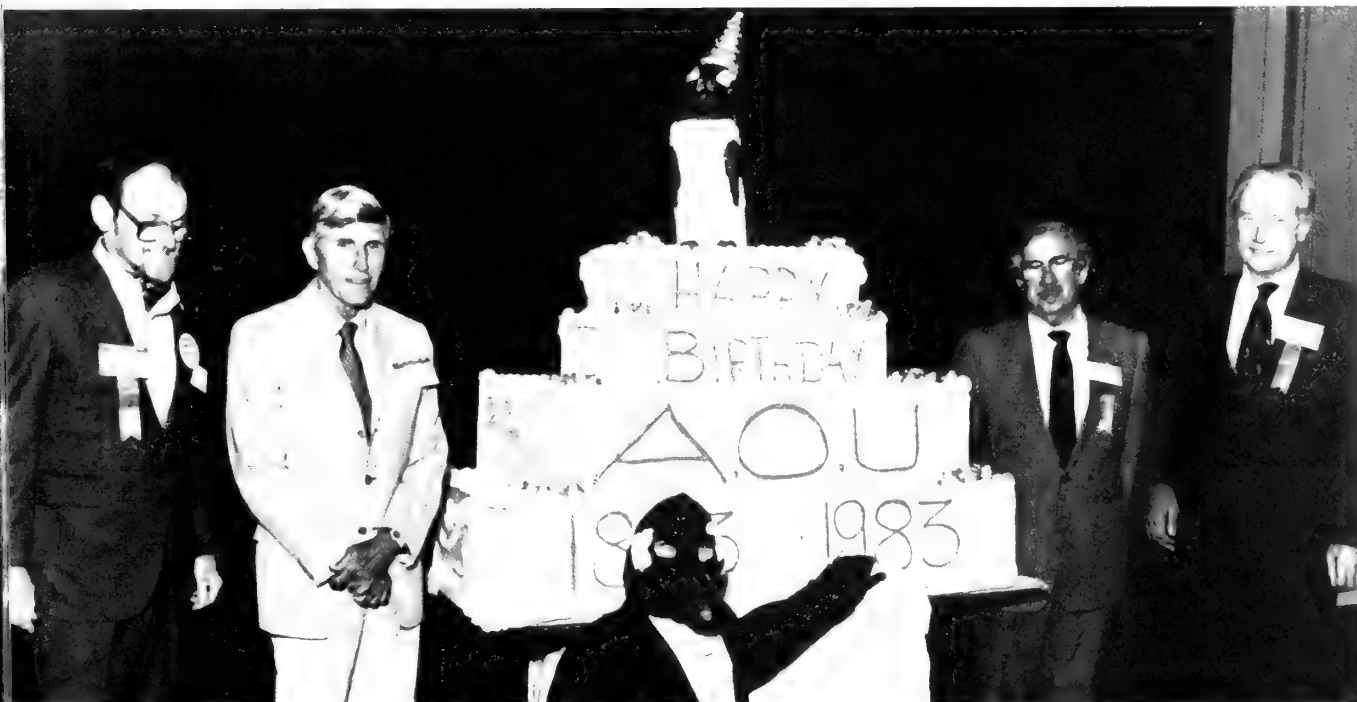


Mayor Edward I. Koch cuts a caper with the Great Auk, symbol of the American Ornithologists' Union. The Mayor welcomed members of the AOU to the Centennial Meeting at the Museum in September. In real life the Auk is *S. Coats*, an ornithologist and wife of Gareth Nelson, curator and chairman of the Department of Ichthyology.



Author and artist Roger Tory Peterson signs copies of his book, "A Field Guide to the Birds of Eastern North America," while Robert McCracken Peck, author of "A Celebration of Birds: The Life and Art of Louis Agassiz Fuertes," looks on.

The two were among several distinguished authors who signed their works during the celebration of the centennial of the founding of the American Ornithologists' Union.



Sharing the 4 1/2-foot artificial "cake" made as part of the American Ornithologists' Union's Centennial Day Ceremony, Sept. 29, are (left to right) Lester L. Pratt, curator and chairman of the Museum's Department of Ornithology, Thomas R. Howell, AOU president, Robert Arbib, editor of *American Birds*, and G.

Stuart Keith, research associate in the Department of Ornithology and coordinator of the cake cutting ceremony. Kneeling in front of the cake is the Great Auk, AOU's symbol.

A Special Thanks

The Ornithology Department and the AOU Local Committee extend its deep gratitude and appreciation for the courteous and efficient assistance provided by all

Museum departments, services and administrative officials in preparing for and carrying out the highly successful AOU Centennial Meeting.

MIRIAM JOHNSON RETIRES AS HEAD OF VOLUNTEER OFFICE

Miriam Johnson, who has coordinated hundreds of thousands of hours of volunteer work here at the Museum, retired on Aug. 26. Mitzi Bhavnani has succeeded her as manager of volunteer and information desk services.

Mrs. Johnson began at the Museum in 1964, as an information desk volunteer. In 1968, she became a paid employee.

During her 15 years at the Museum, Mrs. Johnson found volunteer work for scientists, students, secretaries, bookkeepers, illustrators, librarians—people from all walks of life. She helped to build the volunteer staff to more than 400 people who annually give more than 100,000 hours of service to the Museum.

She was honored at the Mayor's Volunteer Service Awards Ceremony on Sept. 28, for "her contributions to the volunteer field and to the Mayor's Voluntary Action Center." She was cited for her "impact on the growth of volunteerism throughout cultural institutions and on the development of the field of

volunteer management."

In 1979, Mrs. Johnson married F. Walker Johnson, a retired geologist for Exxon. Dr. Johnson has been a volunteer for the Department of Vertebrate Paleontology since 1972.

The Johnsons look forward to having more time for travel, their new vacation home, visiting museums and volunteer work.

Mrs. Bhavnani, a Bennington College graduate, was a part-time secretary in the Vice President's Office from 1969 to 1971 when she left to raise a son. In 1977, she began actively volunteering for a number of organizations. In 1979, she returned to the American Museum, coordinating volunteers for the special exhibition, "Pompeii AD 79." Mrs. Bhavnani joined the staff as Museum Highlights Tour coordinator that same year.

Museum instructor Darrel Schoeling has been promoted to assistant manager of volunteers, succeeding Mrs. Bhavnani.

HERE AND THERE

ANTHROPOLOGY: Jim Roscoe, the new Lounsbery fellow, will spend a year conducting research on political evolution in ancient Polynesia... On Sept. 1, Anibal Rodriguez, curatorial assistant, and his wife, Lillian, became the proud parents of a baby boy named Jason... Barbara Conklin, registrar, spent four weeks in Peru and Bolivia this summer... Vuka Roussakis, textile conservation supervisor, visited archeological sites in Mexico for four weeks... After 28 years at the Museum, John Maloney, technician, will retire on Nov. 30... David Hurst Thomas, curator, and members of his archeological crew will attend the Southeast Archeological Conference, in Columbia, S.C., Nov. 2-5.

BUILDING SERVICES: Nine new Museum attendant guards are: Richard Weyant, Karl Scott, Karla Buchting, Judix Carter, Olga Benitez, Wallace Morgan, Dina Pancaldo, Diane Sexton and Gerard O'Neill.

DEVELOPMENT AND PUBLIC AFFAIRS: Michelle Bender is the new public affairs associate... Stanton Orser has moved from membership associate to development associate... Christine H. Gilmartin, formerly assistant volunteer co-ordinator for evenings and weekends, is now the Discovery Tours associate... Christine Spencer has joined the staff as assistant volunteer manager... Gregory Miller has been hired as part-time assistant manager for Naturemax.

ENTOMOLOGY: The new secretary in the department is Deanna Doris.

EXHIBITION AND GRAPHICS: Maura Fitzpatrick joined as secretary... Keith Stephens, Michael Ryus and Jeffrey Ingraham are new intern preparators.

HERPETOLOGY: Richard G. Zweifel, curator, and his wife, Frances, toured the West for five weeks. Included in their itinerary were visits to the Southwestern Research Station and the ranch of Edwin H. Colbert, curator emeritus in the Department of Vertebrate Paleontology... Charles J. Cole, curator, spent the summer at the Southwestern Research Station studying unisexual lizards. He was assisted by his son, Jeff, and Carol R. Townsend, senior scientific assistant... Monika Kerschus is the new part-time curatorial assistant.

ICHTHYOLOGY: The new department secretary is Joan Johnson... Roger Grande and Darrell Siebert are new part-time curatorial assistants... Mary Rauchenberger is a new curatorial assistant III... The department welcomes back Donn E. Rosen, curator, after a long absence due to illness.

INVERTEBRATES: William K. Emerson, curator, attended a joint meeting of the American Malacological Union and the Western Society of Malacologists, at the University of Wash-

ington in Seattle... Roger L. Batten, curator, attended the International Carboniferous Congress Meeting in Madrid... Neil H. Landman, assistant curator, returned from a field trip to the northern Great Plains where he collected Late Cretaceous ammonites for research... Walter E. Sage, III, scientific assistant, and Sidney Horenstein, senior scientific assistant, were in Petaluma, Calif., to pick up a collection of 25,000 specimens of marine mollusks willed to the Museum by the late Ray Summers, a longtime friend of the department.

LIBRARY SERVICES: Pamela B. Haas left the Museum after seven years in the Library. She was the assistant librarian for archives and photographic collection... Joining as part-time conservation assistant is Penelope Bodry-Sanders.

MAMMALOLOGY: The new secretary for the department is Marina Williams.

MINERAL SCIENCES: Carol O'Neill was promoted from curatorial and research assistant to scientific assistant.

MUSEUM SHOP: Joining as the new senior assistant manager is Maren Ryan... Elmira Wan is the new part-time sales supervisor.

ORNITHOLOGY: WESLEY E. LANYON, Lamont curator of birds, and his wife, conducted museum studies at the British Museum in London... George Keith joined the department as scientific assistant... Mary Ardagna is the new secretary.

PLANETARIUM: Clarence A. Brown was promoted from assistant producer to producer.

PLANT MANAGER'S OFFICE: Raj Vohra is the new maintenance manager. Before coming to the Museum, Mr. Vohra was manufacturing manager of engineering at Ortho Diagnostics, a Johnson and Johnson company... Three new museum maintainers are: Anthony Gelber, James Rizzo and James Washington... Storme Webber was promoted from museum attendant/guard to museum maintainer... The new assistant museum maintainer is Klaus Defense.

PUBLIC ADMISSIONS: Lynette Noel has joined as secretary. **PURCHASING:** Colin Lewis is the new purchasing manager. Mr. Lewis was a troubleshooter for Divesco, a company in Jackson, Miss., before coming to the Museum.

VERTEBRATE PALEONTOLOGY: John G. Maisey, assistant curator, and his wife, Vivien, are the proud parents of their first child, Alexander John, born Aug. 15... Frank Ippolito is the new senior artist... Joining as scientific assistant is John P. Alexander. Mr. Alexander will serve as collection manager for fossil mammals. He comes to the Museum from The Burke Memorial/Washington State Museum in Seattle where he was assistant to the curator of vertebrate paleontology.



NOVEMBER/DECEMBER 1983

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FUTURE IS PROBED BY NOTED AUTHOR



Isaac Asimov

credit: Kurt Miller

One of the world's best known writers of scientific fact and fiction, Isaac Asimov, recently spoke to a capacity audience in the Main Auditorium. In his talk, one of a continuing series of activities for Museum members, Dr. Asimov discussed the role of invention in human history.

He stated that technological advances have produced major change, and that changes resulting from politics, plagues and other factors were "trivial" by comparison. Using the origins and advances of Christianity as an example, Dr. Asimov said that Christianity spread because of the united political empire created by the Romans and that this empire was made possible by technological advances in road building.

Dr. Asimov said it is easy to imagine future inventions, but difficult to anticipate their consequences. Areas in which Dr. Asimov foresees startling advances include: genetic research, organ cloning, and new uses of outer space, such as the construction of enclosed satellite cities.

The author of more than 260 books, Dr. Asimov has written on subjects ranging from the Bible and Shakespeare to astronomy and the atom. He recently completed his first best-seller in hardcover, "Foundation's Edge," the sequel to his Foundation trilogy.

MUSEUM IS HONORED FOR ITS AFRICA FOCUS

Want to learn about Africa? The American Museum of Natural History is the place to do so.

In recognition of this, the African Travel Association honored the Museum by inducting it into the Association's Hall of Fame. To symbolize this honor, a framed wallhanging—a Benin applique—was presented to the Museum at a dinner, Nov. 3, at the Hotel Roosevelt.

Franklin Williams, former U.S. Ambassador to Ghana and president of the Phelps-Stokes Fund, presented the applique on behalf of the Travel Association. Malcolm Arth, chairman and curator of the Museum's Department of Education, represented the Museum at the dinner, along with Todd Nielsen, manager, Discovery Tours; Enid Schildkrout, associate curator of Anthropology; and Marcia White, programming coordinator in the Department of Education.

Making the presentation, Ambassador Williams noted the many ways the Museum fosters learning about Africa, its nations, wildlife, peoples and customs. He cited the Museum's Hall of Man in Africa and the Akeley Memorial Hall of African Mammals as highlights of the Museum's resources on Africa.

The former ambassador also cited the Museum's special exhibitions, notably "African Textiles" and "Asante: Kingdom of Gold," scheduled to open in October.

In addition, Ambassador Williams described the many educational activities the Museum sponsors that enable adults and children to better understand Africa. He also mentioned the Museum-sponsored Discovery Tours to African nations, and *Natural History's* various articles about Africa.

The African Travel Association award will be displayed in the Education conference room on the third floor.

HOLIDAYS CELEBRATED AT CHILDREN'S CHRISTMAS PARTY

Each year the Museum's Children's Christmas Party brings a light to the eyes of children and adults alike, getting the holiday season off to a grand start.

This year was no exception. On Friday, Dec. 16, the festivities began in the Planetarium's Sky Theater at 5:30 p.m. A performance of the Sky Show, "The Spirit of Christmas," was given. After the performance, the party moved to the Hall of Ocean Life for hot dogs, ice cream and cake.

Finally, the event everyone eagerly awaited: the arrival of Santa Claus (played by Alan Ternes, editor of *Natural History* magazine).

Ernestine Weindorf coordinated the party.

The January/February issue of *Grapevine* will carry photos showing the joy and excitement in the faces of children at the 1983 party.



George S. Gardner (left), chairman of the Department of Exhibition and Graphics, and exhibit designer Michael D. Blakeslee, inspect a specimen for the upcoming exhibition, "Ancestors: Four Million Years of Humanity."

GARDNER SERVES AS LEADER AMONG MUSEUM DESIGN PROFESSIONALS

George S. Gardner, who has served as chairman of the Museum's Department of Exhibition and Graphics for the past 10 years, has been a prime mover in exhibition circles for more than two decades. He has guided an ambitious exhibition program at the Museum, including renovations, installation of new permanent halls and frequent special exhibitions. He has served as a consultant to museums worldwide and is a founder of the first national organization for museum design professionals.

"From my experience, people involved in museum exhibition were loners, working on their own projects with only occasional contact with others in exhibition," said Mr. Gardner. "I used to think exhibition people were not just joiners."

But in 1981, at the annual meeting of the American Association of Museums in Indianapolis, 80 people attended a special session and expressed an interest in forming a cohesive group involved in museum exhibition. The result of that gathering was the selection of a name for the group, National Association of Museum Exhibition (NAME), and formation of a steering committee, of which Mr. Gardner was a member. The following year, Mr. Gardner was elected president of the new organization. Today NAME has grown to more than 400 members nationwide.

The purposes of the organization are to provide a forum to promote the exchange of ideas among museum professionals and to promote excellence in museum exhibition. Membership in the organization is not limited to staff members of museum exhibition departments but to anyone involved in exhibition design and execution, including curators and representatives of design firms.

This year, Mr. Gardner attended the triennial meeting of the International Council of Museums (ICOM). Representing NAME at the London conclave, he found an interest, among ICOM members, in an international organization of museum design professionals.

Mr. Gardner also shares his experience in museum exhibition design through a class he teaches in exhibition planning and design at New York University, in the museum studies program of the graduate anthropology division.

Before joining the Museum's Department of Exhibition and Graphics, Mr. Gardner was a partner in the New York design firm of Yang/Gardner Associates, Inc.

CURATOR EMERITUS AUTHORS BOOK ON DINOSAURS

Dinosaurs...

The very word conjures images of strange creatures living in a prehistoric world far different from ours. To visitors at the Museum, it brings to mind the 70-foot-long *Brontosaurus* or the awesome *Tyrannosaurus rex*, whose skeletons and others are on public view on the Museum's fourth floor and are the subjects of study in the Frick Wing.

How did such creatures become a popular attraction at the Museum? What force added to our understanding of dinosaurs?

Much of the credit belongs to Edwin H. Colbert, curator emeritus of the Museum's Department of Vertebrate Paleontology, who directed the reconstruction of the Hall of Early Dinosaurs in 1952 and the Hall of Late Dinosaurs in 1956.

Now, at 78, Dr. Colbert serves as the curator of the Museum of Northern Arizona and is the author of a newly-published book, "Dinosaurs: An Illustrated History." The book, published by Hammond Incorporated and available in the Museum Shop, is a guide through Dr. Colbert's study of the dinosaur age. The book includes some 200 illustrations portraying the natural history of dinosaurs, their beginnings, evolutionary development, role in the world they inherited and demise.

In "Dinosaurs," Dr. Colbert draws on his years of research on fossil remains from six of the world's continents that resulted in the discovery of 50 species and 10 genera. He provides a firsthand account of the discovery process and recounts the fieldwork done by paleontologists that has led to our knowledge of dinosaurs.

Commenting on the perspective reflected in "Dinosaurs," Dr. Colbert says his years of research on dinosaurs has given him "a respect for the long view of things."

MUSEUM SHOP HELPS GRANDPA DELIGHT FARAWAY FAMILY

A New York City grandfather was able to delight his seven-year-old grandson in Papillon, Neb., thanks to the personal service of Patricia Madonia, senior clerk in the Museum Shop.

When John P. Reilly of Middle Village learned that his grandson was intensely interested in "prehistoric monsters," as the boy called them, Grandpa wanted to please. He had a difficult time finding posters, until he phoned the Museum and spoke with Mrs. Madonia. She was able to recommend several immediately.

"Mrs. Madonia, because of her kindness, has made this a very simple task and has made me an expert on prehistoric animals," Mr. Reilly wrote in a letter to Martin Tekulsky, Museum marketing manager and head of the Museum Shop.

He also complimented the Museum Shop staff on its "kindness, consideration, diplomacy and courtesy."

Mr. Reilly initially ordered the Age of Mammals Poster and the Dinosaur Coloring Poster. As new merchandise comes in, Mrs. Madonia continues to write him. He has since purchased a third poster.

"The Museum Shop prides itself in offering personal attention to customers," said Mr. Tekulsky. "The shop maintains records of customers who have special interests. As merchandise arrives, store personnel will contact customers who have made special requests."

MUSEUM CATALOG OFFERS ADDITIONAL BOOK DISCOUNTS TO EMPLOYEES

Looking for a special Christmas gift? Books are often a good bet, and Museum employees can now obtain a 10 percent discount in addition to the already reduced prices by ordering through the Museum's catalog. The additional discount would result in a saving of between 20 and 45 percent off the retail price.

For more information, call Bob DeAngelis at *Natural History*, exts. 247, 392, or 440.

"FIRST LADY" OF ORIGAMI ILLUMINATES HOLIDAY TREE

When Lillian Oppenheimer threw the switch that illuminated the 1983 Origami Holiday Tree, she was shining light on a glittering creation whose existence can be traced back, in part, to her.

Each of the 4,000 ornaments is a gift, either from a Museum volunteer or from another origami enthusiast elsewhere in the world. It is this spirit of international sharing and interest in origami that Mrs. Oppenheimer helped generate.

The 1983 tree-lighting ceremony was a tribute to the 85-year-old Mrs. Oppenheimer, who is known as "the first lady of origami."

Twenty-five years ago origami was a rather closely held oriental art and practically unknown in the United States. Mrs. Oppenheimer helped turn that around.

The Holiday Tree, of course, is the creation of Alice Gray, scientific assistant emerita in the Department of Entomology. When Miss Gray was asked 11 years ago to turn her three-foot, departmental Christmas tree into a 25-foot holiday tree for the general public, she came to Mrs. Oppenheimer for help. Mrs. Oppenheimer, Miss Gray's mentor and teacher, responded and brought the paper-folding community with her.

Mrs. Oppenheimer also taught origami to Michael Shall,



Using ladders and a cherry picker, preparators Dale Traugott (left) and Keith Stephens decorate the 25-foot artificial Origami Holiday Tree

Miss Gray's chief volunteer assistant and the designer of the Japan Air Lines tree, as well as to Mr. Shall's father before him.

Mrs. Oppenheimer became interested in origami 40 years ago, when her daughter Molly was ill and needed creative amusement. She got a copy of the only English language book on origami available at the time. In the 1950s, Mrs. Oppenheimer and her husband, the late Harry C. Oppenheimer, traveled to Japan to meet the origami master, Akiri Yoshizawa. She returned to found The Origami Center of America in her home in Gramercy Park.

Mrs. Oppenheimer has since helped nurture other groups around the world, including the British Origami Society and the Japanese Creative Origami Group 67.

For more than 25 years, folders have met the second Monday evening of every month in her home. She reports that not a single meeting has been canceled. She also maintains a large library on origami and America's premier origami collection. Folders throughout the world send their creations to her for evaluation.

Mrs. Oppenheimer also volunteers directly to the Museum. She teaches folding on Members' Origami Day and on special occasions.

An offspring of the center is The Friends of The Origami Center of America which recently moved its headquarters to the American Museum. Mrs. Oppenheimer's collection will be moved to the Museum next year.



Lillian Oppenheimer teaches second-graders from PS 87 how to fold an origami candy cane at the Holiday Tree lighting ceremony on Nov. 23. Mrs. Oppenheimer was invited to light the tree this year in recognition of her role in kindling interest in origami in the United States

DR. BREDER DIES IN FLORIDA

Charles M. Breder, Jr., curator emeritus and former chairman of the Department of Ichthyology, died on Oct. 28 in Englewood, Fla. Dr. Breder had lived in Manasota Key, Fla., since his retirement from the Museum in 1965.

He joined the Museum staff as a research associate in 1926, after serving as the Museum's representative on the Marsh-Darien Expedition to Panama in 1924, collecting thousands of fish, amphibian and reptile specimens. In 1944, he became chairman and curator in the Department of Ichthyology. Three years later he

was appointed director of the Museum's Lerner Marine Laboratory at Bimini in the Bahamas, a position he held for 10 years.

Renowned in his field, Dr. Breder contributed significant findings in the study of fish locomotion, schooling habits and behavior and was especially concerned with the study of flying fishes and the blind cave fishes of Mexico.

He is survived by his wife, Priscilla R. Breder, and two sons, Charles M. Breder, III, of Palm Beach Gardens, Fla., and Richard I. Breder of Miami.

HERE AND THERE

ANTHROPOLOGY: **David Hurst Thomas**, curator, is the general editor of *The North American Indian*, a 21-volume set produced by Garland Publishing...The department hosted the Second Annual Northeastern Conference on Andean Archaeology and Ethnohistory, Nov. 19 and 20...**Craig Morris**, chairman, was in Peru for a week in mid-November, making preparations for his 1984 field season in the Chincha Valley...Research assistants **Debbie Peter**, **Debbie Mayers O'Brien** and **Dennis O'Brien**, and research associates **Clark Spencer Larsen** and **J. Alan May** presented papers on the anthropology of St. Catherines Island at the Southeastern Archaeological Conference in Columbia, S.C., on Nov. 3-5. Dr. Thomas, who chaired the conference, presented a paper dealing with the Santa Catalina mission on St. Catherines Island.

BUILDING SERVICES: **Robert Valentin** is the new Museum attendant guard...**Carol Grant**, formerly a part-time sales assistant in the Museum Shop, was promoted to Museum attendant guard.

CONSTRUCTION: The new assistant manager in charge of the electrical department is **Albert W. Grenzig**. Mr. Grenzig was formerly self-employed as an electrical contractor in New York City...**Coe Wilburn** joined as Museum maintainer.

DEVELOPMENT AND PUBLIC AFFAIRS: **Darrel Schoeling**, formerly Museum instructor in the Department of Education, was promoted to assistant volunteer manager.

EDUCATION: Senior instructor **Sydney Buffum** was appointed regional representative to the New York State Outdoor Education Association and will serve on its executive board...**Ismael Calderon**, Caribbean programming coordinator, and **Malcolm Arth**, chairman, participated in a workshop on museum outreach in Santa Fe and San Antonio in October. The workshop was sponsored by the Indo-U.S. Subcommission on Education and Culture...**Catherine Pessino**, assistant chairwoman, serves as chairwoman of the Education Committee for the Northeastern Museums Conference and attended its October meeting in Cape May, N.J....**Corazon De la Peña** and **Dorite Moscovich**, students from Forest Hills High School, are helping to develop community programming as interns with **Marcia White**, African-American programming coordinator and **Ismael Calderon**...**Kate Larkin**, a student at City As School, a public alternative school in Greenwich Village, is helping to develop other community related programs with **Florence Stone**, special programs coordinator...The first of the department's weekend visits to St. Catherines Island, Ga., Oct. 21-23, was led by Ms. Stone...**Lisa Breslof** joined the department as Museum instructor...The new People Center weekend supervisor is **Timothy Doyle**.

ENTOMOLOGY: **Maria Carruba** is the new part-time curatorial assistant...The new secretary is **Patricia West**...**Betty Faber**, research associate, and **Alice Gray**, scientific assistant emerita, attended the eastern branch meetings of the Entomological Association of America to demonstrate how children are introduced to the world of insects.

EXHIBITION AND GRAPHICS: **Raymond H. De Lucia**, chief preparator emeritus, was a speaker at the Eighth Annual Whaling Symposium, Oct. 15-16, held at the Kendall Whaling Museum, Sharon, Mass. Three of his films on whaling were shown...The new senior artist is **Ronnie Tuft**...Two new part-time projectionists are **Nancy Pollock** and **Jill McArthur**...**Theodore Anderson** was promoted from intern preparator to preparator.

GENERAL SERVICES: **Lorri Moran** joined as photographer.

ICHTHYOLOGY: **Donn E. Rosen**, curator, presented a paper on how to use geological data to understand the history of animal and plant distribution at the Missouri Botanical Garden Symposium, Oct. 14-16.

INVERTEBRATES: **Jeff Teitelbaum** is the new curatorial assistant III.

LIBRARY SERVICES: **Melissa McAfee**, **Roxanne Zellin** and **Phyllis Isaacson** joined the department as part-time library assistants...The new cataloging librarian is **Nanette Lodolce**...**Carol Tucher** is the new reference librarian.

MAINTENANCE: Three new assistant Museum maintainers are **Daniel Kuhn**, **Jose Quiles** and **Greg Sentouktsi**...**Mary Dillon** and **Edwin Garcia**, formerly Museum attendant guard supervisors, were promoted to cleaning supervisors.

MAMMALOLOGY: **Wolfgang Fuchs** joined as curatorial assistant.

MINERAL SCIENCES: The new part-time curatorial assistant is **Christopher Stokes**.

MUSEUM SHOP: New part-time sales assistants are **Arnesia Jackson**, **Christine Dunford**, **Rosemary Capestany**, **Beverly Hawkins**, **Maria Adams**, **Julie Tharp** and **Marquita Young**.

NATURAL HISTORY MAGAZINE: **Ruth Leibowitz**, the new membership associate, is editor of *Rotunda*.

PLANETARIUM: Joining as planetarium intern is **Francine Jackson**...The new production designer is **Brian Sullivan**...**Virginia Cardenas** is the new part-time sales assistant.

VERTEBRATE PALEONTOLOGY: **Linda Eber** is the new secretary...**Christine Vanable**, formerly intern preparator, was promoted to senior artist.



Gardner D. Stout

FORMER MUSEUM PRESIDENT IS DEAD

Gardner D. Stout, the Museum's seventh president, died on Jan. 16. He was 80 years old.

Mr. Stout was elected a trustee of the Museum in 1959 and later became a member of its Management Board, Board secretary and a vice president. When he became president in 1968, the Museum, founded in 1869, stood at the threshold of its second century. Mr. Stout led the Museum through the following seven years, retiring in 1975. During his tenure as president, more than \$22 million was raised as part of a Centennial Campaign. Major new permanent exhibitions which opened while Mr. Stout was president included the Hall of Man in Africa, the Hall of Ocean Life and the Biology of Fishes and the Hall of Mexico and Central America.

In 1980, the Gardner D. Stout Hall of Asian Peoples opened, honoring his dedication to the Museum and his particular interest and efforts on behalf of the hall.

Mr. Stout was born in New York City in 1903. He and his wife, the former Clare Kellogg, lived in New York City and New Canaan, Conn. He is survived by his wife; two sons, Gardner D. Stout, Jr., and Prentice K. Stout; seven grandchildren and two brothers.

ARTHUR ROSS RECEIVES MAYOR'S AWARD

Museum Trustee Arthur Ross is a recipient of the Mayor's Award of Honor for Arts and Culture. The award was presented in a ceremony at Gracie Mansion in December. Mr. Ross and the other honorees were cited for their continuing contributions to the city's arts and culture. Those honored were selected by the Advisory Committee for Cultural Affairs of the City of New York.

Mr. Ross was elected to the Museum's Board of Trustees in 1979. Among his many contributions to the Museum are major support for the Arthur Ross Hall of Meteorites, opened in 1980, and establishment of "The Arthur Ross Exhibit of the Month" series, which has included such exhibitions as the Origami Holiday Tree and "Right Through the Roof: The Wethersfield Meteorites."



BROADWAY STAR VISITS MUSEUM

Jeremy Irons, best known to millions of Americans as Charles Ryder in the PBS Masterpiece Theater presentation, "Brideshead Revisited," visited the Museum on Jan. 10 with his wife, Sinead Cusack, and his five-year-old son, Samuel. Mr. Irons is currently starring on Broadway in Tom Stoppard's play, "The Real Thing." The family paused for a picture in the Hall of Asiatic Mammals. They soon moved on to see the dinosaurs.

IN PRAISE OF PEONIES— GOULANDRIS PAINTINGS FEATURED IN EXHIBITION

Classical legend, botanical discovery and artistic expression celebrate the beauty of the peony in a special exhibition, "Peonies of Greece: Myth, Science and Art," which will be at the Museum from May 11 through Aug. 12.

The exhibition features lithographs of 12 species of peonies that grow in Greece. Taken from botanical paintings of Niki A. Goulandris, the lithographs are the work of Takis Katsoulidis.

Emphasizing the peonies of Greece, the exhibition tells the broader story of the peony and its botanical illustration in the West. The exhibition also features the history and tradition of the tree peony as an artistic motif in the East.

In addition, the exhibition highlights the work of Nassos Daphnis, artist and horticulturist, in crossbreeding peonies to form new hybrids of tree peonies in the U.S.

Mrs. Goulandris, whose paintings are central to the exhibition, is co-founder of the Goulandris Natural History Museum in Athens.

UNITED WAY CAMPAIGN TOPS LAST YEAR'S SUCCESS

Museum employees who participated in this year's United Way campaign can take pride; their contributions and pledges are up from last year by 17 percent.

As of the end of 1983, more than \$11,300 was collected or pledged from more than 65 percent of Museum employees.

"Although we would like to have had 100 percent employee participation, this year does represent an increase in the number of employees who contributed," said Norene Brooks, plant manager and 1983 United Way Campaign chairperson.

"I appreciate the work of the department coordinators and the cooperation of the employees," she added. "I was very pleased with the results."

Asked about her role as chairperson, Ms. Brooks said, "It gave me insight into how really important United Way is in helping people throughout the tri-state area and also into how this service is effected."

Next year's United Way chairperson for the Museum is Gareth Nelson, chairman of the Department of Ichthyology.

PICTURES TELL STORY OF 1983 CHILDREN'S CHRISTMAS PARTY



Michelle Hollins, 7-year-old daughter of Mary Hollins of the Department of Education, exhibits the joy of Christmas in her eyes and smile.



Francis Casey, 5, nephew of Ernestine Weindorf of *Natural History* magazine, sports a Santa's helper hat in the Sky Theater.



Manuj Agarwal, son of Suman Agarwal of Bu Services, looks on with awe at the activities preceding the show in the Planetarium's Sky Theater.



Gregory (left) 7 and Douglas 9, sons of Niles Eldredge, curator in the Department of Invertebrates, enjoy the permanent exhibitions at the Planetarium before entering the Sky Theater.



Gregory Croft, year-old son of Mary Croft, Museum instructor in the Department of Education's Natural Science Center, enjoys some of the good things to eat at the Children's Christmas Party.



Jodi Uberti (left) and Christina Duffy, nieces of Paula Intrantuovo of the Museum Shop, share a coat and an ice cream



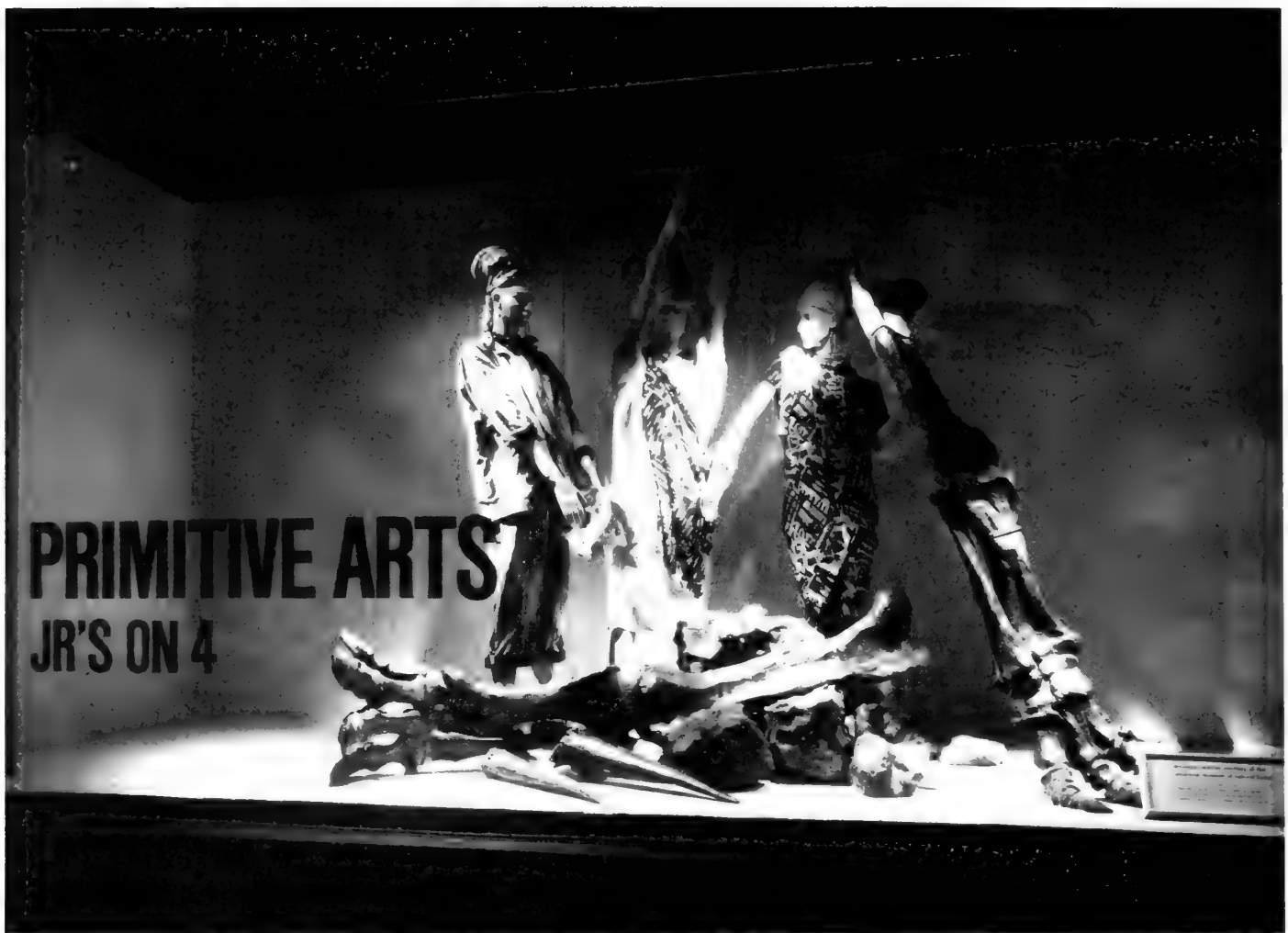
Eric (left) and Abraham Chang-Hwa, sons of Chang Chang-Hwa of the Department of Ichthyology, take a break from origami folding in the Hall of Ocean Life and the Biology of Fishes



Nicole and Natachia Joseph, identical twin cousins of Roy Jeronimo of Building Services, show off their matching outfits for the party



Nels Hanson, 2-year-old son of Kay Zakariasen of *Natura* History magazine, enjoys his new tool set, a gift from Santa Claus



Passersby on West 34th Street could see several of the Museum's large casts of fossil dinosaur bones in the windows of Macy's Herald Square store for two weeks in January. The window display designers at Macy's came to the Museum's Department of Exhibition and Graphics for ideas for window displays and were excited when they saw the reproductions of dinosaur bones. Macy's

arranged to rent several ribs, legs and feet for a fashion promotion in their windows. The same African fashions in Macy's windows, inspired by the Museum's recent exhibition, "African Textiles," were also featured in the Hall of Man in Africa on WNEW-Channel 5 News on Jan. 13.

HERE AND THERE

BUILDING SERVICES: Leong Liu, Christina Lopez, Aldona Tancula, Rochelle Taylor, Michelle Jeter, Patricia Blair, Akhtar Choudhury, Rosalie Kahn, Deborah Reeder and Rick Long have joined the department as Museum attendant guards. Carmen Dinescu was promoted from Museum attendant guard to secretary.

CONSTRUCTION: The new Museum maintainer is Gilbert Pabon.

DEVELOPMENT AND PUBLIC AFFAIRS: Tracey Stark, secretary for the past year for Discovery Tours, left the Museum on Jan. 20. Kay Brief, public affairs associate since June, 1981, left the Museum in December to coordinate special projects for the United Jewish Appeal. Daniel J. Mul-lane, manager of the Naturemax Theater left to become a Shearson/American Express stock broker trainee. Melissa Burroughs joined as part-time information desk supervisor for the Volunteer Office.

EDUCATION: The new Museum instructor is Jenny Kelsey.

ICHTHYOLOGY: Loretta Stillman, a graduate student working with C. Lavett Smith, curator, was hired as a full-time curatorial assistant.

LIBRARY SERVICES: David Herbet and Jean Galowitz, project associates, and Nancy Ellis, project assistant, left the

Museum in December upon completion of their U.S. Department of Education Strengthening Research Library Resources Grant.

MAINTENANCE: John Sullivan is the new assistant manager. The new senior secretary is Carol Wyatt. Five new Museum attendant guards are Tak Chan, Kenneth Kane, Vasken Terzian, Victor Kornberg and John Lynch. Joining as assistant Museum maintainer is Joann Feliciano. Carlos Bruguera is the new Museum maintainer.

MAMMALOLOGY: The new curatorial research intern is Laura McLellan.

NATURAL HISTORY MAGAZINE: Mark Abraham is the new production manager. Douglas Preston was promoted from assistant manager of Special Publications to manager of Special Publications. Frank Stevens was promoted from assistant manager of Fulfillment to manager of Fulfillment.

ORNITHOLOGY: Sylvia Hope, a graduate student, is doing research on the phylogeny of Corvidae at the California Academy of Sciences in San Francisco. François Vuilleumier, curator, was in Mexico from Dec. 3 to Dec. 15 to give a talk on the biogeography of neotropical birds.

PURCHASING: The new part-time purchasing assistant is Lily Cabo.



MUSEUM REPRODUCTION STUDIO SERVES AS CLASSROOM, TOO

Museum exhibition people around the world are familiar with the work of the American Museum's Reproduction Studio. Casts of dinosaur bones have appeared in such diverse places as Macy's department store windows and on permanent display at the Australian Museum in Sydney.

For three weeks in January and February the studio served as a classroom, and Martin Cassidy, who manages the Reproduction Section of the Department of Exhibition and Graphics, was the teacher. Mr. Cassidy worked with representatives of the Board of Education's Board of Examiners, Doug McLean and Doug Colter.

They were taught to make flexible molds for use in the restoration of architectural art.

"Instead of replacing decorative pieces on the interior of buildings being renovated," said Mr. McLean, "we want to be able to restore them. When we began to seek someone who could teach us this art, we turned to the greatest expert we knew of, Martin Cassidy."

For a current pilot project in Brooklyn, the Bossert Hotel, Mr. McLean and Mr. Colter are working on decorative pieces for the restoration of ceilings in the building. First, a cast of the original piece is made by building up consecutive layers of latex which is then reinforced and finally strengthened with a fiberglass jacket. Within the mold of the original, plaster casts are then made.

"We are pleased that the Board chose us to work with these men who may eventually teach others to do this casting and restoration work," said Mr. Cassidy. "They were not only good learners, but they also were a big help in the studio for three weeks."

Martin Cassidy (right) gives instruction in mixing plaster for molded casts to Doug McLean (left) and Doug Colter, both of the Board of Education's Board of Examiners

NEW EXECUTIVE SECRETARY IS APPOINTED

On Jan. 17, the Museum's Board of Trustees approved the appointment of Arline W. Eltzroth as the new executive secretary of the Museum, a position formerly held by Museum Director Thomas D. Nicholson

Mrs. Eltzroth will assist and represent Museum Secretary L.F. Boker Doyle in all the duties of that office. They include the giving of all notices to the Board of Trustees and its committees, the charge and use of the Museum seal, the charge of Museum records archives, correspondence and of other such books and papers as the Board may direct in the fulfillment of its responsibilities, and other duties which may be assigned by the Board or Museum President Robert G. Goelet. The executive secretary is also expected to serve as assistant to the Museum president in the performance of his Museum duties

A graduate of Barnard College Columbia University, Mrs. Eltzroth was previously assistant to the director of the Henry Luce Foundation. The foundation is known for its efforts to encourage American-Asian understanding and for its funding of programs in higher education, public affairs and the arts

SEVEN BECOME HONORARY LIFE MEMBERS

At the 35th annual Quarter Century Club dinner on Thursday, April 12, seven Museum employees were honored for their service of the Museum. Each has served 25 years or more at the Museum.

The seven new members of the club are: George F. De Abreo, senior technician, Department of Mammalogy; Mary K. LeCroy, senior scientific assistant, Department of Ornithology; Vincent J. LePore, plant engineer, and Anthony J. Polo, electrician, both of the Construction section of the Department of Plant Operations; Johanna Marx, supervising clerk, General Accounting section of the Office of the Assistant Director for Financial Operations and Controller; David J. Schwendeman, senior principal preparator, Department of Exhibition and Graphics, and Adelaide D. Vernon, senior technician, Department of Entomology.

More than 180 employees and retired employees currently belong to the club. This total represents more than 4,500 years of service to the Museum. William E. Fish of the Department of Exhibition and Graphics holds the distinction for the most years of continuous service among present Museum employees. He joined the Museum staff in May, 1946.

"We are especially proud of the dedication, service and accomplishment that membership in the Quarter Century Club represents," said Thomas D. Nicholson, Museum director. "The members give to our museum a sense of continuity and history." (Photographs from the dinner on April 12 will appear in the May/June issue of Grapevine.)

ACCOLADES FROM THE LONE STAR STATE

A visitor to the Museum from San Marcos, Texas, had nothing but praise for the Museum, its volunteer program and Highlights Tour Guide Miriam Epstein after a visit in January.

Nicci Harrison, secretary in the Theatre Arts Department of Southwest Texas State University, came to New York City with her son, Brad, to catch up on theater-going. Brad is a 27-year-old employee of Southwest Texas State who is learning disabled.

The Harrisons had scheduled a visit to the Museum and a Wednesday theater matinee. As they joined a Museum Highlights Tour, Mrs. Harrison realized that she would not have enough time to finish the tour and make the 3 p.m. curtain. She asked Highlights Tour Guide Miriam Epstein to complete the tour with Brad and direct him to a bus to their hotel.

All during the first two acts of the play, Mrs. Harrison was concerned about her son. At the second intermission she reached him at the hotel by phone and learned that he had completed the tour with Mrs. Epstein, and that she had escorted him to the bus and asked a bus rider to see that he got off at the right stop.

Mrs. Harrison and Brad returned to the Museum the following day to thank Mrs. Epstein and Mitzi Bhavnani, manager of Volunteer and Information Desk Services, and to let Brad get one last photo of the Blue Whale.

In a letter to Mrs. Bhavnani, Mrs. Harrison said: "How often we feel that the people there (New York City) are just too busy to be caring and concerned! This may be true in some cases, but my Brad and I found one place in the Big Apple where thoughtfulness and kindness just seem to be *part* of the institution...the American Museum of Natural History. And, the sound of children's voices could be heard in just about every room of the Museum. Imagine! Visitors could even take pictures inside the building...If and when we get back to New York, you may rest assured that the American Museum of Natural History will be one of the first places we'll visit."

NEW LOOK FOR AN OLD JAW

The giant shark jaw located at the end of the Hall of Early Dinosaurs has been a Museum highlight for more than 80 years. The *Carcharodon megalodon* jaw was constructed in 1909 from approximately 300 authentic, fossilized teeth set in plaster. The jaw measures nine feet across and has a gape of about six feet.

According to John G. Maisey, assistant curator in the Department of Vertebrate Paleontology, the data upon which the replica was based have proven inaccurate with the passage of time. Dr. Maisey says the real *Carcharodon* attained a length of "only" 45 feet. The creature depicted by the current replica would have been twice that long to support the jaw as it is presently constructed. Studies of the ratio of body weight to shark size published in *Nature* indicate that such gigantic proportions were unlikely.

Dr. Maisey says further inaccuracies are apparent in the teeth originally chosen for mounting. Studies of living and fossilized sharks have proven that teeth near the corners of the mouth are smaller than those in the center. The model's fossilized teeth are uniform in size, indicating that they all originated in the front portions of the mouth.

"The result of these inaccuracies," says Dr. Maisey, "is an impressive set of jaws, but one that probably did not exist."

Dr. Maisey has been working in cooperation with the Smithsonian Institution to create a scientifically accurate replica of *Carcharodon megalodon*. An entirely new jaw will be constructed. It will be about one-third smaller than the old replica, a size far more representative of the shark that existed in Tertiary oceans some 15 million years ago.

"This is one instance where working with plaster teeth will be much better than using the actual fossils in reconstruction," says Dr. Maisey. Choosing from a vast array of shark teeth in Smithsonian collections, Dr. Maisey has selected teeth representative of each quadrant in the shark's mouth. These prototypes will then be reproduced and mounted to accurately represent the size and structure of teeth in each location. The construction work will take place in Washington.

Dr. Maisey's three-year effort will be rewarded this summer when a new, accurate jaw is delivered to the Museum. Plans for permanent display are still in the formative stages. It is likely that the new *Carcharodon megalodon* jaw will be placed on temporary exhibition in Roosevelt Memorial Hall.

Construction of the new jaw is one of Dr. Maisey's many shark and ray-related projects. This group of fish is noted for a cartilaginous, rather than a boney, body. "They are especially interesting," Dr. Maisey says, "because they resemble the first animals to develop jaws, a significant event in the evolution of vertebrates."

According to Dr. Maisey, sharks are well documented in the fossil record. "A single shark can produce up to 10,000 teeth in one lifetime," he says, "and they have been doing it for 350 million years." Consequently, the development of living sharks can be traced back through each ancestral group via fossilized teeth. The result is a very complete portrait.

In an attempt to further understand the development of sharks and rays, Dr. Maisey is studying the skeletons of these fish with special emphasis on braincases. The fossil evidence for his work is difficult to find because of the soft skeleton of the animal. Unlike teeth which are very hard, cartilaginous skeletons readily decompose. "The cabinets of my colleagues are filled with fossilized skeletons of dogs, horses and camels, but I get excited when I find even two shark or ray specimens to compare," he says.

Dr. Maisey hopes his continuing research on shark and ray skeletons will further illuminate the relationships among living and non-living species.

The preparators of the original shark jaw posed for this photograph in 1909, shortly after completion of the replica



MORE SPACE FOR PERMANENT AND SPECIAL EXHIBITIONS

Gallery 1, the Museum's newest exhibition space, opened with the special exhibition, "Ancestors: Four Million Years of Humanity," on Friday, April 13. The new gallery covers more than 3,000 square feet, about one-half the size of Gallery 3. After Sept. 9, when "Ancestors" closes, the gallery will continue to be used for temporary exhibitions.

By July work will be well under way on the new Hall of Human Biology, adjacent to Gallery 1. The emphasis in the new hall will be on the history of early man and the unique biological characteristics of human beings. The curator of the new hall is Ian M. Tattersall. Dr. Tattersall is a curator in the Department of Anthropology and is also curator for "Ancestors."

Gallery 1 and the Hall of Human Biology are being created from the halls formerly known as Biology of Man and Human Diversity.

There is no need to worry about old favorites like the "transparent woman." She will be completely overhauled and checked for accuracy before being featured in a position of prominence in the new hall.

Joseph E. Lorenz (left), Museum electrician, and William J. Barbieri, assistant manager of the carpentry shop, install an electrical outlet in the floor of the soon-to-be-opened Gallery 1. Mr. Barbieri's work in Gallery 1 and the Hall of Human Biology will be the culmination of a career at the Museum spanning more than 36 years. His work on Museum halls began with the Hall of the Biology of Birds (opened 1948). Mr. Barbieri will retire in May. ▶



HERE AND THERE

ANTHROPOLOGY: Laurel Kendall, assistant curator, discussed the exhibition, "Silk Roads/China Ships," in a lecture entitled "Travelers East, Travelers West" at Columbia University on Feb. 23. The lecture was sponsored by the Alumni Association of Columbia's School of General Studies. Dr. Kendall is an alumna of Columbia...

Helen Fisher is a new research associate... **Craig Morris**, chairman and curator, recently returned from Peru where he prepared for the continuation of his research on the pre-Incan kingdom of Chincha... **Nick Amorosi**, senior Museum technician, won a trip to Europe in an art contest sponsored by Pan American Airways... Former conservation specialist **Vuka Roussakis**, and former curatorial assistants **Janet Strom** and **Cynthia Weinstein**, attended the Junius Bird Andean Textile Conference II, at the Textile Museum in Washington, April 6-8.

BUILDING SERVICES: Joining the department as Museum attendant guards are: **Vivan Anderson**, **Christine Bryant**, **Paul Finney**, **John Herzog**, **Michelle Ingram**, **Alvin Ligon**, **Cristofer Lentsch**, **Ray Munoz**, **Steven Myrick**, **Caroline Nobile**, **Milton Santiago** and **Lauren Tiborsky**.

DEVELOPMENT AND PUBLIC AFFAIRS: Joining the Office of Development and Public Affairs as senior secretary is **Virginia Minardi**... **Patrice Benneward** has joined the staff as a public affairs associate... The new secretary for Discovery Tours is **Elizabeth Garrison**... **Sandi Leibowitz** is the new senior secretary for Guest Services.

ENTOMOLOGY: **Joan Mubayi** joined the department as secretary.

GENERAL SERVICES: **Theresa Sporing** has been promoted to manager... The new photographer is **Olivia Bauer**.

ICHTHYOLOGY: **Ralph Evans** is the new part-time curatorial assistant... **Christine Venable** joined as full-time curatorial assistant... Former curatorial assistant **Mary Rauchenberger** is now a graduate student in the department under the program with The City College of the City University of New York... **C. Lavett Smith**, curator, was in St. Croix, Virgin Islands, March 4-10 preparing for a trip April 23-May 3, during which he will conduct research in the Hydro Lab, part of the National Underwater Laboratory System in

Salt Water Canyon, St. Croix.

LIBRARY SERVICES: **Nina Root**, chairwoman, and **Mary Genett**, assistant librarian for Reference Services and Conservation, attended the midwinter meeting of the American Library Association in Washington, Jan. 7-12.

MAINTENANCE: **Patrick Finno** joined as Museum maintainer... Three new assistant Museum maintainers are **Peter Gonzales**, **Fred Anderson** and **Manuel Cortez**... The new Museum attendant guard is **Angel Hernandez**.

MICROPALEONTOLOGY PRESS: **Virginia Alvarez**, secretary, and **Steve Medina**, senior technician in the Department of Mammalogy, have announced that they will be married in May.

MUSEUM SHOP: **Wendy Perrothers**, **Helena Hill** and **Ta Menesseh** have joined the shop as part-time sales assistants.

NATURAL HISTORY MAGAZINE: The new managing editor is **Ellen Goldensohn**... Joining as membership desk assistant is **Patrice Zabala**.

ORNITHOLOGY: In January, **Lester L. Short**, chairman and curator, was appointed chairman of the Piciformes Specialist Group of the International Council for Bird Preservation. The group will research the status and conservation of woodpecker-like birds that are threatened or endangered. Dr. Short also serves the ICPB as vice-chairman of its Pan-American Section and was recently named to the Species Survival Commission of the International Union for the Conservation of Nature.

PLANETARIUM: **Lynn Azarchi** is the new public affairs coordinator... **Frank Rowe** was promoted from senior Museum attendant guard in Building Services, to assistant Museum maintainer for the Planetarium.

PURCHASING: The new purchasing manager is **Jeffrey Maer**.

VERTEBRATE PALEONTOLOGY: **Raymond J. Gooris**, senior scientific assistant, retired after 24 years. He and his wife, Florence, have planned trips in this country, including a visit to their son, Paul, in New Mexico... **Paul Sereno**, graduate student, will study the dinosaur, *Psittacosaurus*, for eight months in collections in China, Mongolia, Russia and Europe.

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American
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A. M. N. H.

MUSEUM ATTRACTS AAAS ATTENTION

Many of the 5,000 scientists who converged on midtown the end of May for the 150th meeting of the American Association for the Advancement of Science found reason and time to head north and visit the Museum.

Robert G. Goelet, Museum president, welcomed some 400 dignitaries (organizers of the AAAS, speakers, chairmen and officials) attending the AAAS Co-Chairmen's Reception which was held in the Museum's Hall of Meteorites. Mr. Goelet introduced: the co-chairmen of this year's AAAS meeting, Lewis M. Branscomb, chief scientist at IBM, and Michael T. Sovern, president of Columbia University; the chairman of IBM, John R. Opel, who delivered the AAAS keynote address later that evening at the New York Hilton; and His Honor, New York Mayor Edward Koch who formally welcomed the AAAS meeting to New York City and the Museum. Mr. Goelet served as hospitality chairman for the meeting.

That weekend many of the AAAS scientists in town took advantage of specially arranged Highlights Tours of the Museum. The Museum's major attractions were described in the AAAS meeting program and many of the scientists also visited the Museum individually. On Sunday, May 27, Steve Quinn, exhibition, led a bird walk in Central Park.

Four Museum scientists presented papers at the various AAAS sessions. They were: Laurel Kendall, assistant curator, anthropology, "From Peace Corps Volunteer to Anthropologist"; Neil Landman, assistant curator, invertebrates, "Survivors of Pre-Historic Species: The Pearly Nautilus and Its Fossil Relatives"; Gareth Nelson, chairman and curator, ichthyology, "Plate Tectonics and Biogeography"; and Niles Eldredge, curator, invertebrates, "Problems in Contemporary Evolutionary Theory."

Eric Delson, research associate, vertebrate paleontology, led a symposium at the New York Hilton on "Fossils, Genes and Time: Paleontological Versus Macromolecular Approaches to the Study of Higher Primate Phylogeny," with a follow-up workshop on the same subject in the afternoon in the Museum's Kaufmann Theater. The two sessions attracted attention to the "Ancestors" exhibition which continues through Sept. 9.

MUSEUM TEAM AT REMOTE SITE IN VENEZUELA

Since February, researchers from five Museum departments have been participating in an expedition to one of the earth's last natural frontiers, a remote tropical rain forest in South America. Sixteen Museum scientists are part of an international team searching for, collecting and studying the rare and exotic flora and fauna on and around the flat top of the Cerro de la Neblina, the "Mountain of the Mists," in the extreme south of Venezuela, in the dense Amazon basin near the border with Brazil.

The scientists hope the 1,250-square-mile plateau on top of Neblina and the surrounding jungle will provide clues on how new species are formed. They suspect that different sections of the mountain may harbor unique descendants of the plants and animals that inhabited the original mountain plateau some 100 million years ago.

"We are interested in Neblina because it is extremely remote and to a large degree still unexplored," said Jerome G. Rozen, Jr. deputy director for research, and a member of the initial expedition team. "Like an island surrounded by water, Neblina, surrounded by rain forests, provides an isolated environment in

continued on page 2



Members of the South American jungle expedition approach the "Mountain of the Mists," or Cerro de la Neblina, by canoe

from page 1

which new species may evolve. This expedition opens a new frontier when few frontiers remain on earth."

Neblina has been the object of five previous scientific visits, but, in comparison with the current project, each one was brief and limited in scope.

The current expedition on Neblina has already yielded an intriguing variety of specimens, some that may never have been collected before. Biota observed or collected include: strange chest-high trees that resemble open artichokes, an electric fish and catfish observed near the base camp, and a three-inch moth larva with bright pink hairs.

Richard G. Zweifel and Charles J. Cole, curators in the Department of Herpetology, returned from the initial expedition with a giant, living tarantula. The creature, found along Neblina's base, is currently ensconced in a glass aquarium in Dr. Rozen's office, where it is surviving on a diet that includes small frogs.

The expedition has had its share of hardship. The mists that surround Neblina make for poor flying conditions, and the helicopter used to transport the scientists to the upper plateau experienced repeated mechanical failures. Twice, members of the expedition found themselves stranded without adequate food. They managed to get by, but were forced to eat some of the bird and plant specimens they collected, including a palm that actually turned out to be a new species.

The expedition itself may be the last of a vanishing breed: a large-scale research endeavor staffed by some 20 research institutions from Venezuela, the United States, Brazil, Colombia and Great Britain. The probe is being sponsored by the Fundación Para El Desarrollo de las Ciencias Físicas, Matemáticas y Naturales (FDCFMN) in Caracas.

The Neblina expedition is scheduled to continue until December and may be extended into 1985 if funding allows.

Members of the Museum staff working on the Neblina project, in addition to Drs. Rozen, Zweifel and Cole, are:

Herpetology: John W. Daly, research associate; Charles W. Myers, chairman and curator; Janis A. Roze, research associate.

Ichthyology: Gareth J. Nelson, chairman and curator; Carl J. Ferraris, student assistant.

Entomology: Lee H. Herman, curator; Norman I. Platnick, curator; Randall T. Schuh, chairman and associate curator; Ian Stupakoff, student assistant.

Ornithology: Robert W. Dickerman, research associate; George F. Barrowclough, assistant curator; Sadie L. Coats, associate

Mammalogy: Sydney Anderson, curator.

THE PEARLY NAUTILUS SURVIVED, BUT HOW FAST DOES IT GROW?

Scientists and poets alike have speculated for centuries about how fast the pearly nautilus, the chambered creature found in the warm waters of the South Seas, grows. The American writer, Oliver Wendell Holmes, postulated—in his poem, "The Chambered Nautilus,"—that a chamber is added each year. British scientists in the mid-1960s inferred from the amount of liquid pumped out and gas replacement that one chamber per fortnight is added.

Neil H. Landman, assistant curator in the Department of Invertebrates, finds that his data agrees more with Dr. Holmes's estimate, though based on much more precise information. In the April issue of *Nature* magazine, Dr. Landman reports the results of a recently completed study done with J. Kirk Cochran of the Marine Sciences Research Center at the State University of New York, Stony Brook.

Using the activity ratio of polonium and lead as a chronometer, it was determined that the rate of formation of new chambers ranged from 100 to more than 290 days. Based on these rates, the time for a nautilus to reach maturity would be more than 10 years.



Neil Landman, invertebrates, examines a nautilus specimen. A world authority on the pearly nautilus and its extinct relative, the ammonites, Dr. Landman is publishing some new theories on their evolution.

In his research, Dr. Landman has specialized in the life history and evolution of the nautilus and its extinct relative, the ammonite. The nautilus is the only form of externally shelled cephalopod still living. During the Mesozoic Era, more than 100 million years ago, ammonites were as plentiful as snails and clams are today. The same cataclysmic event that brought about the extinction of dinosaurs also wiped out ammonites, but spared the evolutionary line leading to the modern nautilus.

Dr. Landman speculates that the reason the nautilus-like animals were spared, while other ammonites perished, may be the differences in early size and development.

Says Dr. Landman: "Among the group of animals that became extinct at the end of the Mesozoic, surface water plankton were among the most affected. Because ammonites hatched at a small size (approximately 1/25 of an inch), they may have spent a portion of their early life as part of this plankton community. The nautilus, on the other hand, hatches at a much larger size (about one inch in diameter) and is an active swimmer in deep water, making its chances for survival much greater."

Dr. Landman has another article scheduled for publication in the August issue of *Natural History* magazine which expands further his theory on ammonite extinction. Also in preparation is a book, which he will co-author with W.B. Saunders of Bryn Mawr College, which will bring up-to-date the research of the last 15 to 20 years on the nautilus.

In May, Dr. Landman presented a paper entitled "Survivors of Pre-historic Species: The Pearly Nautilus and its Fossil Relatives" at the annual meeting of the American Association for the Advancement of Science in New York (See separate article, Page 1).

After receiving his B.S. degree in mathematics at Polytechnic Institute, Dr. Landman entered Adelphi University where he "became intrigued by paleontology." He earned his M.S. degree at Adelphi in 1975, a M.Phil. degree at Yale University in 1977, and a Ph.D. degree in geology at Yale in 1982. He joined the staff of the Museum's Department of Invertebrates in 1983. Dr. Landman studies the nautilus and fossil spirals in his spacious circular quarters in the prominent fifth-floor turret office at the corner of Central Park West and 77th Street.

NEW DIALOGUE WITH CHINESE SCIENTISTS

For most of his 40 years in the Museum's Department of Invertebrates, Norman D. Newell has specialized in examining large-scale extinctions documented in the geological record.

This winter he and his wife, Gillian, traveled to China to confer with Chinese scientists who have been working on similar research for the past 25 years—often in near isolation from the international scientific community.

The UNESCO-sponsored symposium and field trips in which the Newells participated mark the beginning of a new international dialogue with the world's most populous country. Also in attendance were three other scientists from the United States and one each from Australia, Switzerland and France.

Dr. Newell and colleagues from all over the world are asking the same questions. They want to know how large-scale extinctions happened; if such events occurred suddenly, or gradually over many millions of years; and if there are differences in rate, sequence and timing from one place to another.

Dr. Newell says the Chinese have made important discoveries in southern China. However, more samples and more fossils are needed. He believes that part of the country may soon be internationally recognized as the best place to study the boundary between the Paleozoic and Mesozoic periods.

For Dr. Newell, the strength of the conference lies in the determination of new research objectives and in becoming acquainted with Chinese colleagues.

"I was amazed at how difficult it has been to keep track of people in China," he says. "These people have been through revolutions; they've been forced to abandon their professions for years at a time; even the spellings of their names have been changed."



Norman and Gillian Newell (second and third from left) and associates outside the Hotel of the Reclining Buddha in Beijing.

Already Dr. Newell has had inquiries about Chinese research from two separate sources.

"We now know who the Chinese experts are," he says. "Those of us outside China will take the initiative in keeping our Chinese colleagues informed and exchanging information."

The Newell's two-month trip abroad was made possible in part by the Museum's Weatherhead Fund for Asian Studies. The trip included lecturing on the Museum's Oriental Passage Discovery Tour and additional lectures in China.

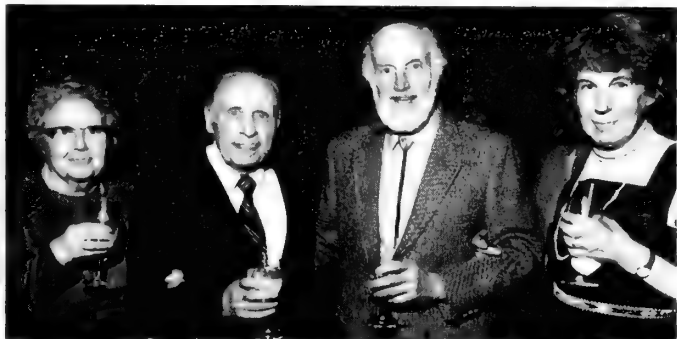
NEW AND OLD FACES AT QUARTER CENTURY CLUB DINNER



Six new members of the Quarter Century Club are (left to right) Anthony J. Polo, Electric shop in the Department of Plant Operations; Adelaide D. Vernon, Department of Entomology; Johanna Marx, General Accounting section of the Office of the Assistant Director for Financial Operations and Controller; Vincent J. LePore, Construction section of the Department of Plant Operations; David J. Schwendeman, Department of Exhibition and Graphics; and Mary LeCroy, Department of Ornithology. The seventh new member to join the club in 1984, George F. De Abreo, of the Department of Mammalogy, was unable to attend the annual dinner April 12.



From the Carpentry Shop at the Quarter Century Club dinner were Bill and Dorothy Barbieri, left, and Artie and Mildred Schaeffer, right.



Old-timers from the Department of Exhibition and Graphics at Quarter Century Club dinner are George E. Pederson, left, who retired in 1973 after 40 years, with his sister, Mabel Brown, and Fred Scherer, right, who joined the Museum in 1934, with his wife, Cicely.



Returning to the Museum for the Quarter Century Club festivities were retirees (left to right) Albert Wanagel, Projection Division, and Jack Scott, Building Services.

TAP DANCE KID LIKES DINOSAURS



Young Alfonso Ribiero, star of the Broadway musical, "The Tap Dance Kid," visited the Museum recently. When asked by *Grapevine* where he wanted to be pictured the talented dancer headed straight for the fourth floor.

HERE AND THERE

ANTHROPOLOGY: The department has received a \$35,000 matching grant from the National Endowment for the Arts. The money will be used to care for the metal artifacts that will be on exhibit in the Hall of South American Peoples...**Landis Smith**, scientific assistant, attended the American Institute of Conservation's annual meeting in Los Angeles in mid-May...**Hua Kim** and **Jill Hellman**, students in New York University's Museum Studies Program, are interns. Ms. Kim will be surveying the Museum's Asian Metals collections and Ms. Hellman will be working on the African collection...**Craig Morris**, chairman and curator, and **Peter Kvietok**, exhibition and research assistant, left for Peru to begin the 1984 Chinchu field season...**Anibal Rodriguez** was promoted from curatorial assistant to Museum technician.

BUILDING SERVICES: Joining the department as Museum attendant guards are **Andrea Bierwirth** and **Frank Commisso**. **Alice Foyah** is the new secretary... The new assistant manager is **Thomas Onorato**... **Joyce Wallach** was promoted from personnel records assistant to assistant to the manager for Building Services.

DEVELOPMENT AND PUBLIC AFFAIRS: **Jacqueline Burke** is the new senior secretary for Development... **Joseph Antonacci** has joined the staff as public affairs associate... **David Lehmann**, public affairs assistant, left to work at the American Cancer Society... The new tour administrator for Discovery Tours is **Karen Salzman**... **Daryl Cox** was promoted from senior secretary for Development to guest services assistant... **Caren Rosenbaum**, guest services assistant, and her husband, Marc, announced the birth of their first child, Andrew James, on May 5. **EDUCATION:** The new secretary for the department is **Neil Clement**.

EXHIBITION AND GRAPHICS: **Ignacio Fajardo** and **Patricia Harrison** were promoted from preparators to senior preparators.

Senior preparator, **Robert Bullock's** wife, Kate, gave birth to a boy, Daniel, on April 17.

FINANCIAL OPERATIONS AND CONTROLLER: **Robert Acker**, internal auditor, presented a paper in Akron on "Museum Charges and Revenues" at the Third International Conference on Cultural Economics and Planning.

HERPETOLOGY: **Charles J. Cole**, curator, and **Carol Townsend**, senior scientific assistant, were in Martinique and Trinidad collecting specimens for their research on unisexual lizards. Dr. Cole is now conducting research at the Museum's Southwestern

LOST, FOUND, RETURNED, THANK YOU

In past issues of *Grapevine* thank-yous for returned handbags and help with learning-disabled children have been reported. This time Mark A. Pollack of Bloomfield, N.J. applauds the Museum for the return of his lost wallet. He dropped the wallet, including driver's license and credit cards, when presenting his membership card. Mr. Pollack states in a letter to Building Services: "I had given them up as lost, and so I was very surprised and pleased when they all arrived marvelously intact in an envelope with the Museum logo on it. Having them back saved me quite a few headaches and I am most appreciative."

TO SMOKE OR NOT TO SMOKE

One half the dining area in the Museum's Food Express cafeteria is now designated, "No Smoking." Please cooperate by smoking only on the north side of the room, saving the south side for non-smokers.

Like many fast-food outlets, Food Express asks patrons to bus their trays after eating. Please help set the example for Museum visitors and place your trash in the containers on the aisle.

The Food Express' up-scale next door neighbor, the American Museum Restaurant, celebrated its first anniversary in May.

Research Station...**Charles W. Myers**, chairman and curator, was in Panama in April continuing his research on poison-dart frogs.

ICHTHYOLOGY: **Gareth Nelson**, chairman and curator, attended a conference on biogeography in Canberra, Australia in mid-May... **Joan Fraley** was promoted from secretary to senior secretary... The new secretary is **Alan Kaufman**.

INVERTEBRATES: **Judith E. Winston**, assistant curator, received a grant from the National Geographic Society to study the population biology of free-living bryozoans.

LIBRARY SERVICES: **Lynn Wiley**, reference librarian, left the Museum to work at Tufts University's Library in Medford, Mass.

MAINTENANCE: The new Museum maintainer is **Patrick Hennessey**.

MAMMALOLOGY AND MICROPALAEONTOLOGY: **Virginia Alvarez**, secretary in Micropaleontology, married **Steve Medina**, technician in Mammalogy, on May 19. The newlyweds spent their honeymoon in South Carolina... Micropress is celebrating the 30th anniversary of its research journal, *Micropaleontology*, with an elegant silver and blue cover for the "pearl" anniversary.

MINERAL SCIENCES: **Joseph J. Peters**, senior scientific assistant, and **Thomas Peters**, associate, were recently awarded "honorable mention" for outstanding article of 1983 by Friends of Mineralogy. The award was given for their article, "Minerals of the Buckwheat dolomite, Franklin, New Jersey," published in *The Mineralogical Record*.

MUSEUM SHOP: **Dianne Delapenha**, **Garland James** and **Margaret Jackson** joined as part-time sales assistants.

ORNITHOLOGY: **Francois Vuilleumier**, curator, was in Barcelona in May attending a workshop co-sponsored by UNESCO and the International Union of Biological Sciences.

PERSONNEL: **Carmen Dinescu** was promoted from secretary in Building Services to personnel records assistant.

PUBLIC ADMISSIONS: **Richard Ross** was promoted from part-time cash analyst to part-time assistant manager.

VERTEBRATE PALEONTOLOGY: The new senior artist for the department is **Lisa Lomauro**... Joining as secretary is **Cornelia Post**.

VOLUNTEERS: "Death and the Cosmos: A 7th Century Maya View of the Afterlife" is a lecture dedicated to the memory of **Paul Kane**, a valued and dedicated volunteer from 1978 to 1983. The lecture, by **Linda Schele**, associate professor at the University of Texas at Austin, is made possible by his many friends as a tribute to him, his volunteer work, and his special interest in the Maya.

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Grapevine



American
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LIBRARY

JULY-AUGUST 1984

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MUSEUM GUARD HONORED FOR COURTESY

Richard Singletary, Museum guard at the parking lot entrance, received a "Courtesy Award" from the New York Convention & Visitors Bureau at a special ceremony this summer. He and 16 other exceptional tourist industry workers were singled out from among some 400,000 other similarly employed people from all over the Big Apple. The awards are for outstanding service to the city's residents and especially to the all-important tourist.

Mr. Singletary's award is well deserved. He has worked at the Museum for 15 years, first as an elevator operator and then as a guard. Now on the front line at the strategic parking lot entrance to the Museum and the Planetarium, he performs his duties with patience, tact, good humor and dependability.

Mr. Singletary could tell many stories to the 24 new guards recently hired by the Museum (see Building Services in *Here and There*, last page). He knows the particulars of how to provide the best service possible to the Museum's huge crush of visitors. A total of some 2.5 million came through the doors last year.

As a major tourist attraction, the Museum is a big part of one of New York's biggest businesses. In 1983, 17.1 million visitors to New York spent some \$2.23 billion in the city. Because there are many guards like Mr. Singletary, these figures are certain to grow and continue to provide the kind of outside support that is so vital to New York City.

Museum Guard Richard Singletary (second from left) receives Courtesy Award from Preston Robert Tisch, chairman of the New York Convention & Visitors Bureau (left); Donna Tuttle, undersecretary of the U.S. Travel and Tourism Administration; and Charles Gillett, president of the New York Convention & Visitors Bureau.

A. M.



ELDRIDGE APPOINTED CHAIRMAN OF INVERTEBRATES

Curator Niles Eldredge, proponent of the evolutionary theory of punctuated equilibrium which challenges Charles Darwin's long-standing notion of gradualism, has been appointed Chairman of the Department of Invertebrates, effective July 1. He succeeds Curator Ernst Kirschner, a specialist in the systematics and ecology of marine worms, who was named Chairman in 1977. Chairmanships in scientific departments at the Museum are usually changed every seven years.

Dr. Eldredge's research is largely centered around the fossil records of trilobites (marine arthropods) which lived in the Paleozoic age 600 million years ago and became extinct 270 million years ago. Dr. Eldredge and Stephen Jay Gould of Harvard first proposed the theory of punctuated equilibrium in the early 1970's.



"When you look at the fossil record," Dr. Eldredge says, "you see there are sudden jumps." Traditional theories that the fossil record is incomplete do not reflect the reality of evolution, he says. Over the years, together and separately, he and Dr. Gould have written, spoken and taught widely on their specialties and theories of irregular, sometimes rapid evolutionary change.

Dr. Eldredge was born in Brooklyn in 1943. He graduated *summa cum laude* with an A.B. degree from Columbia College in 1965 and earned his Ph.D. degree in geology at Columbia in 1969. He and his wife, the former Michelle J. Wycoff, and their two children live in Bogota, N.J.

As chairman of the Department of Invertebrates, Dr. Eldredge is responsible for the department's research and exhibition programs, as well as its vast collections of more than 8.5 million invertebrate specimens. These animals range from protozoans, sponges and worms to mollusks, crustaceans and starfishes; in short, all invertebrates except insects, spiders and their closest relatives, which at the Museum are studied by scientists in the Department of Entomology.

The Department of Invertebrates also manages Micropaleontology Press, which each year produces a number of important journals and other works on the subject of micropaleontology, the study of microscopic fossils.

MUSEUM SHOP OPERATES ON A NEW LEVEL

A split-level glass house has risen in the immediate neighborhood, and now no one can miss the Museum Shop. Even the great Haida Ceremonial Canoe seems to be heading for the sparkling new display window overlooking the Seventy-seventh Street Foyer.

The new glass-enclosed mezzanine shopping level, entirely constructed by the Museum's Construction and Maintenance Departments, has increased the Museum Shop's total floor area by one third to 2,800 square feet. It adds a new mezzanine entrance to the Shop off the elevator, a staircase inside the Shop leading to the new space, plus three very prominent display windows.

These windows dramatically increase the Shop's visibility. They light up the east wall of the Seventy-seventh Street Foyer, the stairwell nearest the shop, and the passage out of the Hall of Man and Nature.

"People used to have a difficult time finding us," says Martin Tekulsky, the Shop's Marketing Manager. "We're already seeing many more people in the Shop just because of the increased exposure."

The book section has been expanded and moved to the new shopping level, which has been stocked with a wide selection of natural history books, records, posters, stationery and globes. There is even a stereo system for buyers who wish to sample a record before making a purchase.

In the former book section, there is now more room for ever-popular dinosaur ties, totes, T-shirts and umbrellas. This area has also been equipped with a fitting room and filled with ethnic clothes inspired by the Museum's special exhibitions and permanent halls.

Fred B. Bookhardt, who supervised plans for the Museum Shop's previous, highly successful renovation completed nine years ago, acted as consulting architect for the current expansion. His design for the split-level addition expands on the light, contemporary theme introduced into the shop in 1975.

NBC FILMING ON THE TERRACE



The star, Lesley Ann Warren (center), who played the dumb blonde in the film "Victor Victoria" and the title role in "Cinderella" on TV, takes a break from her latest project on the terrace over the 77th Street entrance.

She's at the hub of the very busy set for the up-coming NBC mini-series "Evergreen." Dozens of extras in turn-of-the-century costumes, a forest of lights, and a spectacular fleet of old-time cars took over the street and the south facade of the Museum that day in mid-June. That's Director Fielder Cook on the right in the white hat, setting up his camera and lights for the rendezvous scene with Ms. Warren and her "lover," actor Ian McShane, on the Museum steps.

The Museum benefits from this kind of location filming through the substantial revenues produced, and through the positive exposure of the Museum in the final product. "Evergreen" will be broadcast on NBC over three nights next February. Arrangements for commercial filming at the Museum are made through Guest Services.

MUSEUM VOLUNTEERS JOIN IN CENTRAL PARK CELEBRATION



Ready to extol Central Park, answer questions about the Museum, pass out buttons and posters, and accept donations are (from left): volunteers Vanaja Zacharopoulos and Cathine Carlisle; Christine Spencer, assistant volunteer manager for Wednesday evening and weekend volunteers; and volunteer Miriam LaTorre.

They are among the dozen stalwart volunteers who donned colorful T-shirts and managed the Museum's booth at the corner of 81st Street and Central Park West during the great "You gotta have Park!" weekend earlier this summer. Red and white booths similar to the Museum's were set up at every entrance to the park in the rare two-day display of affection and appreciation New Yorkers have for Central Park.

Other volunteers on the project (not pictured) included: Ray Bollerman, Paul Deland, Loretta Donato, Leslie Fouts, Susan Hagelthorn, Ed Pedersen, Carol Popolo, Ruth Weine and Ann Weitzman. Ms. Spencer and Henry Schulson, manager of Membership Services, were leaders of the Museum's effort.

A total of 1,200 volunteers from 34 different organizations participated in the park-wide affair.

CASTING MODELS FOR NEW
KOREAN FAMILY DISPLAY

Most people donate money or rare artifacts to the Museum. Jung Ho Kwon and Cheong Baek donated their hands and faces.

For almost three hours on a warm summer afternoon the two young Koreans submitted patiently while casts were made of their hands and faces by experts in the Department of Exhibition and Graphics.



ONE—Team members watch intently as Ignacio Fajardo, (right) of the Department of Exhibition and Graphics, demonstrates how the die is cast. They are (from left) Cheong Baek, model; Patricia Harrison and Christopher Murphy, senior preparators; Young-Kyu Park, of the Korean Cultural Service; and Laurel Kendall, assistant curator, Department of Anthropology.

The results will be a new scene of Korean family life that is in preparation for the Gardner D. Stout Hall of Asian Peoples. Installation of the new display will take place sometime this fall, according to Laurel Kendall, assistant curator in the Department of Anthropology.

Mr. Kwon, an art student at Pratt Institute and former teacher at Daegu University in Korea, and Mrs. Baek, an administrative assistant at the Korean Traders Association, were chosen as models by representatives from the Korean Cultural Service.

"Their faces represent classic Korean male and female beauty," says Laurel Kendall. "The woman has the round face of a traditional beauty and the man has the look of a country scholar; they are attractive but they are not intended to look like modern Korean movie stars."

Both models appeared slightly nervous when Ignacio Fajardo, senior preparator in the Department of Exhibition and Graphics, guided their hands into buckets of a seaweed-based substance commonly used by dentists to make molds of teeth. In 10 minutes their hands were removed from the buckets and a plastic material was poured into the molds. The results were four amazingly detailed, plastic hands with the unique lines and veins all visible.

"I wonder what's going to happen next," Mrs. Baek murmured as the preparators covered her face and Mr. Kwon's with moisturizer and helped them into rubber shower-type caps to protect their hair. Then the models were told to close their eyes and relax while molding material was slathered completely over their faces and heads.

With the assistance of senior preparators Christopher Murphy and Patricia Harrison, Fajardo then wrapped bandages treated with plaster around the models' heads. This acted as a supporting jacket that helped hold the casting material in place while the molds set.

"It's like another world in there," Ms. Harrison said. "Their hearing is impaired; it's absolutely dark; it's scary; it's essential that they remain calm and completely motionless." The models relaxed in this fashion for half an hour. Then the molds were removed. At that point, Mr. Kwon and Mrs. Baek, none the worse for wear, did not have to be encouraged to relax. They looked paler, but relieved.

When it is finished this fall, the new display will recreate a domestic scene in the upperclass household of an eighteenth or

nineteenth century Korean scholar. True to Confucian philosophy, which stresses separation of the sexes, the man and woman will be in their own spheres. He will be studying a philosophical text in his studio; she will be embroidering in an inner room where she administers the household.

"The finished display will present a glimpse into Korean life that everyone can be proud of," Dr. Kendall said. "It will be something Korean Americans will be able to show their children to explain how their ancestors lived. Other museum visitors will learn something about the cultural heritage of New York's Korean Americans."



TWO—Patricia Harrison applies moisturizer to Mrs. Baek's face



THREE A rubber cap protects her hair



FOUR Molding material is applied to face, keeping nose passages open

HERE AND THERE

ANTHROPOLOGY: Rejoining the staff as curatorial assistants III are **Cynthia Weinstein** and **Janet Strom**.... **Vuka Roussakis** is the new part-time conservation specialist.

BUILDING SERVICES: Twenty-four new Museum attendant guards are **Raquel Perez**, **Ron Lopez**, **Richard Morphis**, **Lilia Bernechea**, **Thomas Caamano**, **Donna Colon**, **Bruce Hayes**, **Keith Bornell**, **Karen Smith**, **Humberto Salazar**, **Joanne Vaccarella**, **Tony Baranoski**, **Charles Smith**, **Sylvia Valdez**, **Joseph Rocco**, **John Hylton**, **Sharon Pennycooke**, **Frida Perez**, **Marcos Baez**, **Eric Wilken**, **Janet Zappasodi**, **Michelle Payne**, **John Arcuri** and **Brian Husband**.

CONSTRUCTION: **James Schurr** is a new assistant museum maintainer... **James Wilkens** was promoted from Museum attendant guard in Building Services to Museum maintainer in Construction. **Joanna Fleming** and **Klaus Defense** were promoted from assistant museum maintainers to museum maintainers.

DEVELOPMENT AND PUBLIC AFFAIRS: Joining Development as senior secretary is **Jacqueline Burke**.... **Henry Neiger** is the new public affairs assistant... **Richard Houghton** is the new associate in Discovery Tours, replacing **Christine Gilmartin**.

EDUCATION: **Kenneth Chambers**, coordinator for adult programs, left the end of June to lead his annual Discovery Tour to Alaska. Following that, he will spend two weeks in the Arctic National Wildlife Refuge backpacking and photographing (with **Richard Sheridan**, assistant manager, in General Services) in preparation for a new lecture series he is planning for next spring... **Malcolm Arth**, chairman of the Department of Education, will serve as senior museum associate for the Museum Management Institute held in July at the University of California at Berkeley...

Ellen Williams, part-time assistant with the Margaret Mead Film Festival for many years, has left the Museum to pursue graduate studies. Ellen (known as Terry) is completing her Master's degree in anthropology at Columbia University. She was married in February... **Jenny Kelsey**, museum instructor in anthropology, was married June 2. She will remain on the teaching staff.

ENTOMOLOGY: **Anthony Maranto** is the new part-time curatorial assistant III.

GENERAL ACCOUNTING: **Neena Parikh**, clerk, left in mid-July on maternity leave to await the birth of her first child.

GENERAL SERVICES: **Hermine Brooks** is the new senior secretary.

HERPETOLOGY: Prof. **Er-mi Zhao** from the Chengdu Institute of Biology in the People's Republic of China, visited the department to conduct research on its Chinese specimen collections...

Charles Myers, chairman and curator, and **Janis Roze**, research associate, are in Venezuela participating in the current segment of the Cerro de la Neblina Expedition.... Earlier this year Dr. Roze traveled for several weeks in India and Sri Lanka, lecturing at institutions in Bombay and Colombo.

ICHTHOLOGY: Earlier in the summer **Gareth Nelson**, chairman and curator, went on a lecture tour to various zoological societies in Canberra, Australia... **Donn E. Rosen**, curator, visited London this summer to consult with Colin Patterson of the British Museum of Natural History.

INVERTEBRATES: The new Museum technician for the department is **Susan Klofak**.

LIBRARY: Two part-time library assistants are **Lisa Polk** and **David Louie**.... **Nina Root**, chairwoman, and **Mary Genett**, assistant librarian for reference services and conservation, attended the American Library Association conference in Dallas, June 23-28.

MAINTENANCE: **Blas Almodovar** is the new Museum maintainer.

MUSEUM SHOP: Joining as part-time sales assistant is **Kerin Buckley**.

NATURAL HISTORY MAGAZINE: The new assistant to the art editor is **Kathleen Centola**.... **Terence Frimmet** is working as a summer intern... **Carol Midkiff** was promoted to senior secretary. **Ross Greenberg** is the new secretary.

ORNITHOLOGY: **Lester Short**, chairman and curator, and

George Barrowclough, assistant curator, attended the annual meeting of the Cooper Ornithological Society in Arcadia, Calif. in mid-June... **Wesley Lanyon**, Lamont curator of birds, left the end of June to help lead the Museum's British Isles Discovery Tour... **Mary LeCroy**, senior scientific assistant, traveled to Upper Volta to visit her daughter who is a Peace Corps volunteer... **Bob Bradley**, technician, left to pursue a career making dinosaur models.

PUBLIC ADMISSIONS: The new part-time cash analyst is **Susan Dougherty**.... **Paula Buncom** was promoted to senior assistant manager.

PURCHASING: **Nadine Monderoy** is the new senior secretary.

TOUR TO MONGOLIA LEADS GUIDE TO FINGER LAKES

No one is the same after a trip to Mongolia. Certainly not Haiyan Li, 28, of Beijing who was guide and translator for the Library's "Great Expeditions" tour to China and Mongolia in the fall of 1982. With her friendly manner and polished English, Ms. Li made many friends among the 45 members of the tour, including **Nina Root**, chairwoman of the Museum's Library, and **Robert Purcell**, valued friend of the Museum.

Friendships born on the road often end with the trip, but Ms. Li stayed in touch with Ms. Root and Mr. Purcell. Mr. Purcell's active support helped Ms. Li obtain a full, two-year scholarship to Cornell University, where she is now working on her M.B.A.

Traveling on her first trip to the U.S. in mid-summer to begin her studies in the Finger Lakes, Ms. Li visited with Ms. Root in NYC. She flew on to Syracuse where she was met by Mr. Purcell who drove her to Cornell and helped her get settled. They introduced her to the U.S., as she introduced them to China.

Thus opportunity and new vistas beckon not only the traveler, but the guide.

SEEING DOUBLE AT THE TERRACE CAFE



Serving in the Terrace Cafe at the Central Park West entrance are identical twins **Stephen** (left) and **Gregory** (three minutes older), Hoffman, 19, from Forest Hills. They used to work the Forest Hills tennis tournament stands; this summer they're on the CPW terrace with the yellow umbrellas, selling soft drinks, foot-long hot dogs, and other luncheon fare.

When the Terrace Cafe closes for the winter in early October, the Hoffmans will return to SUNY's Buffalo campus where they are both on the dean's list, studying economics and corporate financing. They are two of 12 children in a huge Forest Hills clan. "My mother's a saint," Gregory says. She's also a high school English teacher and guidance counselor and their father is a retired accountant. Two of the twin's brothers have also worked or are working in the Terrace Cafe this summer and last: **Paul**, 20, and **Frank**, 24, now in law school.

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Grapevine

LIBRARY



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VOL. 41, NO. 5

GEORGE GAYLORD SIMPSON DIES IN ARIZONA— 35 YEARS AT THE MUSEUM

One of the Museum's most distinguished and talented scientists, George Gaylord Simpson, curator emeritus in the Department of Vertebrate Paleontology, died Oct. 6 in Tucson where he had been living since 1970. He was 82 and a world authority on fossils and evolution.

In a career that spanned 60 years, Dr. Simpson worked at the Museum for 35 years. He also taught at Columbia, Harvard and other universities, wrote nearly 50 books and hundreds of articles, led many scientific expeditions, made startling fossil discoveries and contributed significantly to mankind's understanding of both the mechanisms and patterns of evolution.

A scholarly, prolific author and lecturer with a taste for adventure, Dr. Simpson moved easily from museum, to university, to remote fossil sites in the American West, South America and Africa.

Dr. Simpson's association with the American Museum began in 1924 when he worked as a summer field assistant. In 1927, he joined the Museum staff as assistant curator of Vertebrate Paleontology. He became curator in 1942.

In 1944, the Museum created the Department of Geology and Paleontology with Dr. Simpson as department chairman and curator of fossil mammals and birds. When the scientific departments were reorganized in 1945, he became the first chairman of the present Department of Vertebrate Paleontology.

In 1959, Dr. Simpson resigned his full-time position at the Museum and became Alexander Agassiz Professor of Vertebrate Paleontology at Harvard University.

Dr. Simpson's name was often in the news during those years as he led expeditions in search of fossils: to Patagonia in 1930-31 and 1933-34, to Venezuela in 1938-39 and to various parts of the U.S. In 1953, in one of his most celebrated expeditions, he brought back from a Colorado site the skulls of eight 15-inch-tall creatures called Dawn Horses, which lived about 50 million years ago.

Dr. Simpson made expeditions to Spain in 1960 and to East Africa in 1961. He was with Louis and Mary Leakey in Kenya in the summer of 1961 when they discovered the remains of a man-like creature that lived 14 million years ago. At the time, the earliest known ancestor on man's evolutionary tree dated to 1.7 million years ago.

Dr. Simpson was perhaps best known for his work on the modern biological theory of evolution, a synthesis of paleontological evidence, modern genetic ideas and the historical evolution theory of Charles Darwin.

Of the hundreds of books, articles and scientific papers Dr. Simpson wrote, perhaps his best known is his definitive work, "The Meaning of Evolution," a book which has been reprinted a number of times in this country and abroad since its first publication in 1949. At the time, it was considered the clearest semi-popular exposition of evolution.

Dr. Simpson's most popular book, "Attending Marvels" (1934) is still being reprinted. Among his other widely read books are "Major Features of Evolution" (1953), "Tempo and Mode in Evolution" (1944), and "Horses" (1951).

Dr. Simpson's work has been published in at least 15 lan-

guages and he had several new books and other projects in progress when he died.

He received a number of honorary degrees and awards, including the American Museum's Gold Medal for Distinguished Achievement in Science in 1969. He was founder and first president of the Society for the Study of Evolution and the Society of Vertebrate Paleontology.

Dr. Simpson is survived by his wife, Anne Roe, a psychologist and author, three daughters, seven grandchildren, and one great-grandchild.

MAYOR KOCH TOURS PACIFIC HALL



Before attending the Board of Trustees meeting Sept. 10, New York City Mayor Edward I. Koch toured the Museum with Director Thomas D. Nicholson (left) and George S. Gardner (right), chairman of the Department of Exhibition and Graphics. They toured Gallery 3, where the "Asante: Kingdom of Gold" exhibition was being put together, and the Margaret Mead Hall of Pacific Peoples, scheduled to open to the public in December. Mr. Gardner demonstrated the special lighting system going into the Hall of Pacific Peoples. The lights automatically come up when a visitor approaches a case, and dim as the visitor leaves. This reduces light damage to the artifacts themselves. It also reduces the light bill, which impressed the Mayor.

SAVE THIS DATE

All volunteers and employees of the Museum are urged to reserve the early evening of Monday, December 3. There will be a special reception and preview of the new Hall of the Pacific Peoples, which is opening to the public later in the month.

NEW TWO-STORY BUILDING ADDED TO EDUCATION WING

A new, two-story building that will add two classrooms to the Charles A. Dana Education Wing is more than half completed, and one of the new classrooms should be furnished and ready for use by Thanksgiving.

The new 1,800-square-foot classroom on the first floor, between the lobby of the Linder and Kaufmann Theaters and the Hall of Northwest Coast Indians, will be known as the Edith C. Blum Lecture Room.

"It will be used for school classes in the a.m., teachers' courses in the p.m. and lecture series in the evenings," said Malcolm Arth, chairman of the Department of Education. "When furnishing and trim are completed, it will seat about 60 persons."

The new Building 11-A completely fills the space between Building 11 (the Education Wing) and Building 1 (housing the Northwest Coast Indian and Man in Africa Halls).

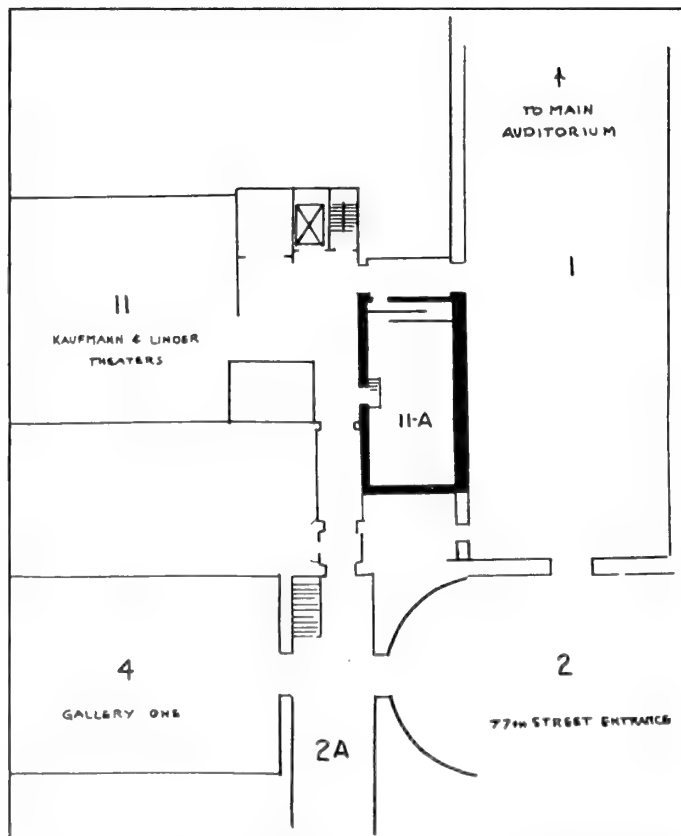
Steel and concrete for the new building were installed by outside contractors. All remaining work on walls, roof, floors, electrical and air-conditioning is being performed by the Museum's Department of Construction.

The floor of the Lecture Room is about five feet higher than the theater lobby floor outside because of structural beams that could not be moved.

There are two entrances to the new classroom. One of them, off the John Burroughs corridor from the Hall of Northwest Coast Indians, opens onto a ramp for the handicapped that runs up to the floor level. The other entrance is off the Mollusks corridor, directly opposite the Hall of Mollusks and Mankind.

Now that the Mollusks corridor (closed for several years) has been reopened, there are two approaches to all facilities in the first floor Education Wing, including the new classroom.

The exterior structure of the new Building 11-A is finished. Construction on the interior of the second floor workshop/classroom remains to be completed.



The new classroom (in the new Building 11-A) is on the first floor between the lobby of the Kaufmann and Linder Theaters (Building 11) and the Hall of Northwest Coast Indians (Building 1). The Mollusks corridor, directly opposite the Hall of Mollusks and Mankind, has been opened and there are now two approaches to the first floor Education Wing.

LOTS OF FISH FROM LAB IN SOUTH CAROLINA

Norma Feinberg, senior scientific assistant and collection manager in the Department of Ichthyology, spent much of the summer in South Carolina at the Grice Marine Biological Laboratory of the College of Charleston packing and shipping 2,050 lots of fish to the Museum.

The recent additions to the Ichthyology collection are part of a gift and exchange arrangement between the Museum and Dr. William D. Anderson and J. Frank McKinney of the Grice Lab.

A "lot" of specimens can number from one to infinity, as long as the specimens are of the same species and collected at the same time and same place. Ms. Feinberg estimated the average number of fish per lot in this collection to be five.

"These fish are a very good, representative, inshore marine collection from the southeastern U.S.," she says. "Included are a very good selection of sharks and rays, flat-fishes (flounders, soles and flukes); eels, and scorpaenids, such as sea robins."

Ms. Feinberg made two trips to South Carolina where she took each lot out of its bottle, wrapped the fish in cheese cloth, wet them with alcohol, packaged them in plastic bags, put the bags into 30 cartons and shipped them all to New York.

Ms. Feinberg has been spending most of the fall unpacking, performing the same process in reverse, placing the fish in bottles filled with alcohol. They will be computer cataloged into Ichthyology's permanent collection.

DEATH AND AN EGG

The giant tarantula *Theraphosa lebonidi* that had been living in a terrarium in the outer office of Jerome G. Rozen, Jr., deputy director for research, has died, possibly because of a very hot summer weekend.

Richard G. Zweifel and Charles J. Cole, curators in Herpetology, found the creature on the extremely productive expedition to the Cerro de la Neblina (Mountain of the Mists) in the remote jungles of southern Venezuela near Brazil.

The arachnid has been turned over to Louis Sorkin, scientific assistant in the Department of Entomology, and it is now part of the Museum's permanent collection.

Meanwhile, the three-striped mud turtle that had been living in Ruth Leibowitz's office in Membership, laid an egg. Ms. Leibowitz, membership associate and editor of "Rotunda," took the egg to Herpetology where it is currently in incubation.

BYE, BYE BONES

"Ancestors: Four Million Years of Humanity" closed Sunday, Sept. 9, amid a flourish of last minute activity. According to the Department of Building Services, nearly 2,500 people visited Gallery 1 on the exhibition's final day.

The visitors patiently tolerated waits of up to 30 minutes for a last chance to view the historic collection of ancient human and pre-human bones. Total attendance for the five-month exhibition is estimated at around 400,000.

By Monday, Sept. 10, at 3 p.m. all 15 "Ancestors" cases had been dismantled. Specimens were placed in the vault, where they remained until their curators arrived to supervise final travel preparations. Deaccession will be completed by the end of October when the last fossil returns to its home institution.

The "Ancestors" booklet is still available in the Museum Shop for 75 cents. The photo library also has slides of the fossils in the 14 "Ancestors" cases. Some 150 sets were sold during the first month they were available.

The next special exhibition scheduled for Gallery 1 is "Ban Chiang: Discovery of a Lost Bronze Age," which opens Nov. 9 and continues through Jan. 28.

BIRDS AND THEIR WATCHERS HEAD FOR CENTRAL PARK



Stephen Quinn, leader of the bird walks, points to a bird. The highpoint on the first bird walk of the fall was in the Ramble when a Sharp-shinned Hawk, in pursuit of a Robin, swooped down low over the 15 bird watchers

The insects begin to stir when the first rays of dawn strike the tree tops. A hungry Redstart darts from branch to branch. An Oriole, Cardinal and a Black-and-White Warbler, brilliant against the turning leaves, feed busily. A Night Heron in the high grass at the edge of the lake stands motionless, scanning for minnows.

A pair of Mallard Ducks circle and glide in for a landing, shattering the clear reflection of the General Motors and the Citicorp buildings.

The scene is Central Park, not a remote bird sanctuary in the Catskills. It's a typical morning bird walk led by Stephen C. Quinn, senior principal preparator and artist in the Department of Exhibition and Graphics.

"A large number of birds pass over Manhattan at this time of year on their way south for the winter," Mr. Quinn says. "Many of them have flown hundreds of miles and are exhausted. Flying over Manhattan, Central Park looks like a green oasis in a vast desert of concrete and asphalt."

Like any weary traveler, a tired bird seeks shelter, rest, water and food. For these reasons, Central Park, in the heart of New York City, is one of the best spots in the metropolitan area to watch birds, especially during the fall and spring migrations.

"It's not unusual to see up to 40 species of birds during one morning bird walk in the fall," Mr. Quinn says.

Mr. Quinn has been leading the fall and spring bird watching tours through Central Park for six years. He took over the task when Farida Wiley, honorary associate in Natural Science Education, stopped leading the tours at age 94.

The walks began this year on Tuesday, Sept. 18, and will end Thursday, Oct. 25. Sponsored by the Department of Education, each tour costs \$4. All the bird walks begin at the northeastern corner of Central Park West at 77th St. A plaque reading "Naturalist's Gate" was put up on the stone wall at the corner, on the occasion of Ms. Wiley's 80th birthday. Most bird walking groups are comprised of from 20 to 30 birders of all ages and occupations.

The Tuesday morning walks start at 7 and end at 9. They are scheduled for the working person. The Thursday morning walks go from 9 to 11.

Stephen Quinn is not only a bird watcher. All aspects of birds fascinate him and, as a bird artist, he has produced many paintings and drawings of birds.

"I have been watching birds since I was about eight years old," he says. "My parents raised ornamental game birds such as pheasants, quail and many species of ducks. I was always interested in observing them. Drawing them is an extension of this basic interest."

He believes there is no better way to increase one's environmental awareness of nature than serious birding.

"We become more attuned to the changing seasons and how these changes alter the life cycles of birds," Mr. Quinn says. "We then realize that the number, or lack, of certain birds often reflects the quality of the environment we share with them."

The more one participates in bird watching, the better one's field skills become, Mr. Quinn says. The ability to distinguish a bird by its call, behavior, profile, markings or flight pattern becomes, with experience, almost second nature.

"Some see bird watching as a sport; for others it's an aesthetic pursuit; for others it's a form of exercise," Mr. Quinn says. "For most birders though, it's a combination of the three."

BIRD WATCHING OUT THE WINDOW

Birds may flock to Central Park, but they also flock to the Museum's own grounds.

Years ago, a number of Museum bird people were discussing this phenomenon. An informal competition developed: who could spot the most bird species from his or her office window.

Museum birders participating include: Steve Quinn of exhibition and graphics; and, from ornithology, G. Stuart Keith, scientific assistant; John Farrand, Jr., associate; and John Bull, recently retired field associate.

As of mid-September, Mr. Keith was in the lead with a total of 69 birds on his office list, although Mr. Quinn sighted the most recent new birds on the Museum grounds—a flock of Cedar Wax Wings on September 28.

"I'm hot on his tail, with 66 birds on my office list," Mr. Quinn said. A Broad-winged Hawk with a three-foot wing span actually hit Mr. Quinn's office windows on a recent September afternoon. It would have been another addition to his list, except that Mr. Quinn saw the collision from a colleague's office, not his own.

The most recent additions to Mr. Keith's list were an Ovenbird and a Turkey Vulture spotted in May after a storm. The Turkey Vulture is very rare in Manhattan and Mr. Keith believes it was blown off course by the storm.

In terms of birds sighted anywhere, Mr. Keith was listed for a number of years in the Guinness Book of Records for having sighted more species of birds (5,650) than anyone else in the world.

John Farrand, associate in ornithology, no longer works full-time at the Museum. This is why his window bird count is 55, he says. Mr. Farrand is now editor of *American Birds*, a journal published by the National Audubon Society.

"The most interesting thing I ever saw outside my office window was a Red-tailed Hawk stooping (swooping down after) a pigeon in the park between the parking lot and 81st St.," Mr. Farrand says.

John Bull, author of the best seller, "The Audubon Society Field Guide to North American Birds," was leading the East Africa Safari Discovery Tour in September, and was therefore unable to report to Grapevine on his window sightings.

MUSEUM IS THE SUBJECT OF A NEW CHILDREN'S BOOK

The Museum Shop has several racks of excellent books on natural history subjects for young children. Recently, a new one was added which for the first time is based entirely on specific exhibitions at the American Museum.

Called the "American Museum of Natural History Learning and Activity Book," its 32 pages are full of black outline drawings of many of the Museum's most familiar sights, suitable for coloring. The illustrations are accompanied by various questions, puzzles and games aimed at stimulating the youngsters' appreciation, not only of natural history, but the American Museum of Natural History.

Published by Creative Company, written by Dick Ruehrwein, and illustrated by John Winright, the book opens with an introduction by Malcolm Arth, chairman of the Department of Education. The book retails for \$2.50.

NEW ORIGAMI TREE FOR THE HOLIDAYS

The biggest Origami news for this year is that the Museum has a new tree for its annual holiday Origami extravaganza.

"The same height as the old tree (25 feet), the new one looks just like a beautiful white pine," said Ralph Bauer, manager of exhibition, who arranged the purchase of the artificial tree. "However, it has a fuller body and a more graceful shape than the old scotch pine which has been retired after 11 good years."

Alice Gray, scientific assistant emerita in the Department of Entomology, and the Museum's resident Origami guru said, "I understand our new tree has wonderful, long green needles."

With the grand Origami mobile of stars hanging over the tree, the full 85 feet from floor to ceiling on the south side of the Rotunda will again be a glittering, shimmering spectacle of Origami. Each year, the Museum's Origami Holiday Tree, an Arthur Ross Exhibit of the Month, seems to grow more beautiful and to attract more attention.

As usual, the paperfolding activities have been underway all spring and summer. With autumn here, the pace is picking up, under the direction of Miss Gray and Michael Shall, the Museum's chief Origami volunteer and an accomplished Origami professional in his own right.

The Origami efforts are focused on the tree-lighting ceremony set for Nov. 19 at 4 p.m., the Monday before Thanksgiving. All Museum employees and volunteers are invited to the Rotunda for cider and doughnuts, and to be among the first to gaze upon this year's new tree and the completed Origami treasures.

Last year, the volunteers reported 4,026 hours on various Origami related activities, and this year they have been at least as busy. The Origami volunteers break down into three basic categories: those who fold ornaments for the tree; those who prepare the folded models for hanging, and those who teach folding at the Origami table next to the tree.

Some 150 volunteers will participate in this Origami teaching effort at the tree, Miss Gray said. The Museum's Volunteer Office organizes the Origami training sessions. They are provided free, with the understanding that each volunteer put in an amount of teaching time at least equal to his or her instruction time at the Origami table.

Miss Gray is always looking for new, interested Origami volunteers. This year she is particularly interested in new volunteers with Origami experience, the more experience the better. Call the Volunteer Office at extension 472 for details.

The Museum's first Origami tree 11 years ago had 30 different Origami models. This year, 150 varieties with more than 3,000 total models, plus 300 mobiles, will be on the tree.

Volunteers Helen Senegas, Joan Appel, Josie Lipman, Emico Imai, Akiko Sugiyama and Flor Posnik are also working hard to finish the fourth of the small habitat groups, the English Hedgerow, that go under the tree. It joins the already completed Central Park in the Winter, Woodland, and Pond habitat groups.

HERE AND THERE

BUILDING SERVICES: Shashi Verma, Sandra Brisett, Timothy Flynn, Louis Padin, Gladys Aviles, Steven Harewood, Francisco Aponte, Gerard Young and Basil Dallas are new Museum attendant guards...Nanette Haslam and Pedro Perez were promoted from Museum attendant guards to senior Museum attendant guards.

CONSTRUCTION: The new assistant manager is Julio Correa...Klaus Defense and Joanna Fleming were promoted from assistant Museum maintainers to Museum maintainers.

DEVELOPMENT AND PUBLIC AFFAIRS: Timothy Slavlin is the new senior secretary for Guest Services...Connie Zavala, senior

secretary in Public Affairs, married Richard Puswald on Sept. 22, and went to California on her honeymoon.

EDUCATION: Jonathan Stack was hired as part time assistant for the Margaret Mead Film Festival...The new Museum instructor is Brumsc Brandon...Mary Croft was promoted from Museum instructor to senior Museum instructor...Marilyn Godsberg was promoted from senior clerk to supervising clerk...Ismael Calderon, Caribbean programming coordinator, and Iris Calderon, senior secretary in the Department of Invertebrates, have a new son, Stephen Joao, born on July 27, weighing exactly seven pounds...Florence Stone, special programs coordinator, is leaving the Museum in October after 15 years. She will be remembered for Westside Day, the Hudson River programs and the Margaret Mead Film Festival, among the many other impressive events she managed. She is moving with her family to Washington, D.C.

ENTOMOLOGY: The new secretary is Lillian Marsano.

EXHIBITION AND GRAPHICS: Ivy Rutzky joined as part-time replica molding assistant for Exhibition.

GENERAL SERVICES: Joining as senior secretary is Darryl Guinyard.

HERPETOLOGY: Charles Cole, curator, returned from the Southwestern Research Station where he conducted studies on unisexual lizards with Herbert C. Dessauer, a research associate from Louisiana State University Medical Center.

ICHTHYOLOGY: Gareth Nelson, chairman and curator, and Donn E. Rosen, curator, attended the American Society of Ichthyologists and Herpetologists conference in Norman, Okla. Dr. Rosen delivered a paper on "A paraclassification of teleostean fishes" and Dr. Nelson's paper was titled "Systematics of Anchovies"...a 450-pound roughtail stingray, caught off the Florida coast and donated by W.E. van Hulsenbeck of Yonkers, is adorning a wall in the Department's corridor.

LIBRARY: The new part time Library assistant is Monti Castaneda...Eve Golden joined as senior secretary...Carmen Battista, senior clerk, was married to Jose Collazo on July 28. The couple honeymooned in Puerto Rico and Santo Domingo...Nina Root, chairwoman, was appointed for a five-year term to the New York State Board of Regents Advisory Council on Libraries...Karen Weaver is now a part-time Library assistant...Elizabeth Garcia is the new senior clerk.

MAINTENANCE: Five new Museum maintainers are Frank Lugo, Karl Bruning, Franklin Diaz, Herbert Stultz and Carlo Carmona...Carlos Castano and Theodore Hewitt joined as Museum attendant guards.

MEMBERSHIP: Margaret Samp is the new part-time Membership Desk assistant.

MUSEUM SHOP: Yvette Vega, Deran Cadotte, Sita Mahadeo, Vizhier Corpuz and Tiha Mijat are new part-time sales assistants...Joining as part-time stock assistant is George Cornwell. The new part-time supervisor is Susan Santiglia...Frances Hernandez is the new full-time sales assistant.

NATURAL HISTORY MAGAZINE: Marshall Schwartzman and Deborah Tyler joined as secretaries.

ORNITHOLOGY: Diane Sexton was promoted from Museum attendant guard in Building Services, to Museum technician...

Jane Connelly was promoted from senior clerk in Education to senior secretary. She succeeds Ivy Kuspit, who left the Museum after 11 years to be the administrative assistant to the head of development at the National Audubon Society...The meeting of the American Ornithologists' Union in Lawrence, Kan. in August was attended by Lester Short, chairman and curator; Wesley Lanyon, Lamont curator of birds; Mary LeCroy, senior scientific assistant; and Jennifer Horne, Dr. Short's wife and research associate at the National Museums of Kenya...George Barrowclough, assistant curator, accompanied a Discovery Tour to the Galapagos Islands in August...John Bull, field associate, accompanied the East African Safari Discovery Tour in September, and Lester Short accompanied the October East African Safari.

PLANETARIUM: Judith Benari and Karen King are the new part-time sales assistants.

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Stephen Jay Gould with *Tyrannosaurus rex*

NOVA FILMS STEPHEN JAY GOULD IN MUSEUM FOR DEC. 18 PROGRAM

Museum employees and volunteers passing through the Hall of Late Dinosaurs last June 29 may recall the unusual sight: Stephen Jay Gould in a cherry picker, nose-to-nose with the *Tyrannosaurus rex*.

Dr. Gould—research associate in the Department of Invertebrates, columnist for *Natural History* magazine, author of many books, Harvard professor, paleontologist and evolutionary theorist—is talking into the NOVA television camera. He is telling the story of how at age five he was first inspired by those fearsome jaws and enormous teeth to become a paleontologist. Science has been his passion ever since.

The occasion is the NOVA program devoted entirely to Dr. Gould, the man and his ideas on everything from dinosaurs to the evolution of the brain.

The program is set for broadcast at 8 p.m. on Tuesday, Dec. 18, on PBS stations across the country, Channel 13 in New York City. It is entitled "Stephen Jay Gould: This View of Life," the same title as Dr. Gould's widely read column in *Natural History* magazine.

The NOVA film crew filmed Dr. Gould in six Museum settings: the four mammal and dinosaur halls on the fourth floor; Gallery 1, where "Ancestors: Four Million Years of Humanity" was on view; and outside with Museum exteriors in the background. Arrangements for the complicated shoots were handled by the Office of Guest Services.

A FACE-LIFT FOR ROOSEVELT MEMORIAL FACADE

Restoration of the Theodore Roosevelt Memorial facade, a registered historic landmark and the Museum's Main Entrance, will begin this winter. The \$2 million project is funded under the city's capital budget through the Department of Cultural Affairs.

Construction will reinforce foundation supports and restore the appearance of the Roosevelt Memorial steps and plaza, which have become uneven through exposure to the elements. The project will be supervised by the city's Department of General Services.

The restoration will require closing the Main Entrance and constructing a temporary entrance north of the driveway. The temporary entrance will lead visitors from Central Park West into the Sanford Memorial Hall of the Biology of Birds on the first floor.

The Central Park West Security Entrance will be closed part of the time. Employees entering and leaving the buildings during hours when the Museum is closed to visitors will be directed to use the temporary entrance when this becomes necessary. The Museum's other permanent public entrances will remain open during reconstruction.

Refurbishment plans call for the Roosevelt steps and plaza to be disassembled and cleaned stone by stone. Each granite slab, originally quarried in southern New Hampshire and Massachusetts, weighs some 600 pounds.

Backhoes, steam shovels, pile drivers and cherry pickers will converge on the plaza to tackle the job. It will be possible to watch the construction through windows in a gaily decorated wooden fence.

Once the landmark facade is dismantled, 162 piles, each three feet in diameter, will be driven into the facade's foundation to reinforce its structural support. The stones will then be repositioned and regouted. In addition, weep holes will be installed in the rear of the plaza wall for drainage.

Together, these measures will prevent shifting, frost heaving and exfoliation (the disintegration of stone in layers) which in recent years have resulted in an uneven plaza surface.

In order to ensure the safety of the Museum's most delicate collections, two seismographs will monitor the vibrations which may be caused by certain phases of construction. Should threatening tremors be detected, all construction will stop and further precautions will be taken.

Simultaneously with the city-funded Museum restoration, the Metropolitan Transit Authority will construct a new substation below Central Park West at 79th St. as part of a city-wide plan to upgrade subway service. The substation will house electrical and mechanical switching equipment.

The MTA excavation will be 20 feet wide and 50 feet long, closing one and one-half lanes of southbound Central Park West traffic. Pedestrian access will be maintained in front of the Museum along the west side of Central Park West at all times.

All subway entrances will remain open and subway service will continue as usual.



Kenneth L. Franklin

FRANKLIN RETIRING FROM PLANETARIUM

Kenneth L. Franklin, who joined the American Museum-Hayden Planetarium as an assistant astronomer in 1956, one year before Sputnik, is retiring the end of the year.

"It's been an unbelievable 28 years, totally incredible," he said, referring to the great progress and vast amount of new information on space that has transformed his profession during his distinguished career. "I was at an important place at an important time."

Dr. Franklin was promoted to astronomer in 1963, moving on to assistant chairman, and then to chairman in 1972. He resigned chairmanship of the Planetarium in 1974 to return to his work as astronomer.

Over the years, Dr. Franklin has taught and published widely, consulted with the media and aerospace companies, and appeared on many radio and television programs.

He was an on-camera astronomy expert for NBC during the first moon landing in 1969, as well as other NBC programs on Apollo 8 and 10. He has appeared also on space programs on ABC and CBS.

As a contributor to the New York Times, he provides the daily rising and setting times of the sun, moon and planets, and a weekly star map of the current sky.

In retirement, Dr. Franklin will continue to edit the astronomy section of the World Almanac and to contribute information to the Farmer's Almanac. He will serve as lecturer on a two-month cruise in 1986 to the South Pacific to view Halley's Comet.

Dr. Franklin also intends to give astronomy talks in some of the major U.S. national parks between tours of the country with his wife, Charlotte.

MUSEUM HOSTS ICOM MEETING

More than a hundred professionals from major museums in Europe, Asia and North America converged on the American Museum in October for the three-day conference of the International Committee of Natural History Museums.

The group, a subcommittee of the International Council of Museums (ICOM), attracts top museum personnel interested in science, anthropology and natural history.

The gathering was an educational experience: 18 papers covering different aspects of museum exhibition design, conservation, research and public programming were presented by delegates from Canada, the United Kingdom, France, India, Sweden, Finland and West Germany.

The group has given a behind-the-scenes look at some of the

American Museum's scientific departments and exhibitions. Eugene Bergmann, senior exhibit designer in the Museum's Department of Exhibition and Graphics, led a tour of the Hall of Peoples of South America, currently under construction. Exhibit Designer Michael Blakeslee headed a discussion on "Asante: Kingdom of Gold," and later led the group on a guided tour of the exhibition.

The ICOM/84 conference was organized by George S. Gardner, chairman of the Department of Exhibition and Graphics, and Ridgeley Williams, assistant director of the National Museum of Natural Sciences in Ottawa.

CHILDREN'S CHRISTMAS PARTY DEC. 13

The eleventh annual Christmas Party for children of Museum employees is set for Thursday, Dec. 13, at 5:30 p.m. in the Main Auditorium.

Marjorie Brown and the Storytellers will perform, "The Holiday Hiccups and Other Stories." Then the party will adjourn to the Hall of Ocean Life for sodas, cakes and hot dogs. Santa will be on hand with presents for one and all.

Santa's assistant, Ernestine Weindorf, is coordinator of the event. For details call her in the offices of *Natural History* magazine, exts. 392 or 440. Reservations for the party are necessary.

Look for pictures of the beaming faces of the Museum's children in the next issue of *Grapevine* (Jan./Feb. 1985).

A NEW MAGAZINE FOR YOUNG PEOPLE



A dancer from Zaire with a mask of shells is on the cover of the first issue of *Faces*, the new young people's science magazine.

The Museum has joined forces with the New Hampshire publisher, Cobblestone, to put out *Faces*, the only magazine for young people on the subject of cultural anthropology. Each issue is built around a single theme. The first issue came out in October and was on mollusks.

As it says on the masthead, "The original concept for a young reader's anthropological magazine was developed by Margaret Cooper," exhibit coordinator in the Department of Exhibition and Graphics. Doug Preston, manager of Special Publications, helped develop the concept and has acted as coordinator with Cobblestone. Enid Schildkrout, curator in the Department of Anthropology, serves as senior editorial adviser and reviews all articles in the magazine.

Many of the stories are written by members of the Museum staff. In the first issue, Mr. Preston wrote three short pieces on shells; Richard A. Gould, research associate in Anthropology, contributed an article on Australian aborigines.

Aimed at readers 8 to 14, *Faces* will publish 10 issues each year at an annual subscription price of \$16.50. Museum members, staff and volunteers can subscribe or order gift subscriptions at \$13.95. The magazine carries no advertising. The cover price is \$1.95.

The first issues are being marketed through the Museum's membership lists.

KING COMES FROM GHANA TO OPEN "ASANTE" EXHIBITION



Museum President Robert G. Goelet (left) welcomes the King of the Asante people, Otumfuo Opoku Ware II, to a banquet the night before the public opening of "Asante: Kingdom of Gold."

He came and went amid swatches of glittering color and flashes of gold which transformed Gallery 3 and Central Park West into a traditional West African Kingdom, rich in legend, art and history.

Otumfuo Opoku Ware II—formerly Jacob Matthew Poku, draftsman, lawyer and building inspector; now King of the Asante people—and his official entourage of 16 arrived at the Museum on Oct. 9 to open the special exhibition, "Asante: Kingdom of Gold."

Leaders of the U.S. Ghanaian and African-American communities worked with many departments in the Museum to coordinate his schedule and plan events.

On Sunday, Oct. 14, some 3,000 New Yorkers, most of them African-Americans, turned out to greet the King and view a spe-

cial preview of the exhibition. Among them was New York City Mayor Edward I. Koch, who accompanied the King in a procession up Central Park West and into the Museum.

In the Rotunda, the King presented the Museum with a royal ceremonial umbrella, a wooden stool and a carved porcupine, and cut a ribbon to declare the "Asante" exhibition officially open.

"Asante: Kingdom of Gold," on loan from the Museum of Mankind (the Ethnography Department of the British Museum), is a collection of more than 800 objects which originated in the Asante Kingdom during the 17th, 18th and 19th centuries.

Curator for the exhibition is Enid Schildkrout of the American Museum's Department of Anthropology. The exhibition will remain in Gallery 3 until March 17.

NO MORE STEGOSAURUS BUTTONS

The trusty *Stegosaurus* Contributor buttons, that have been passed out to Museum visitors for years, have passed quietly into Museum history.

The Museum logo, with the familiar man and horse skeletons, is on the new buttons which began circulating around Thanksgiving. The first batch of new buttons, supplied by Don Howard Associates of lower Manhattan, numbered two million.

The Museum logo is based on one of the pieces by S. Huxford Chubb, pioneer in the study of animal motion. In his hands, skeletons became works of scientific art. An exhibition of Mr. Chubb's works is set for March, 1985, in Gallery 1.

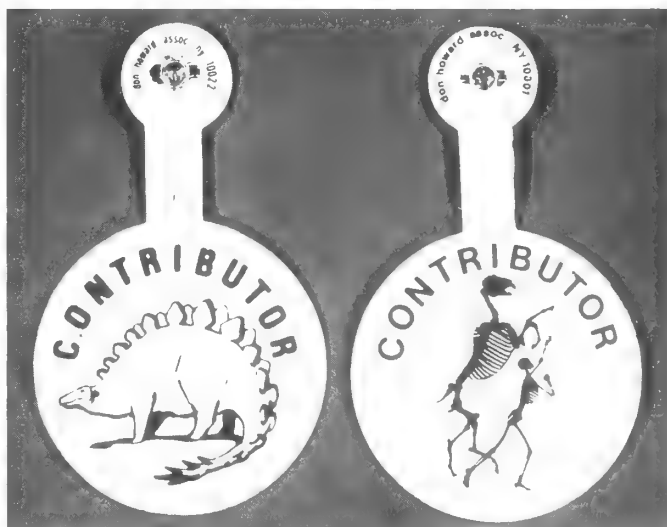
The button policies will not change with the new look. Like the old *Stegosaurus* buttons, the logo buttons come in six colors—blue, green, yellow, orange, beige and white. Different colors are used on different days. No day gets any special color, except St. Patrick's Day when it is always green.

Each of the Museum's 11 cashiers gets a bag of 1,000 buttons every morning.

For many, the button is a valued souvenir, especially for the many children who visit the Museum with their school classes. For the groups of school children, the buttons are passed out when they leave.

"Everyone is always very pleased to have a free souvenir, especially the kids," says Bernice Salik, assistant manager of

Public Admissions, who with her boss, Thomas Lesser, Public Admissions manager, administer the button program.



Old

New

POHL JOINS MINERAL SCIENCES

Demetrius C. Pohl has joined the Department of Mineral Sciences as assistant curator. An economic geologist, Mr. Pohl heads a new Museum research program on ore deposits. His research will center on the genesis of ore deposits and their relationships to other geological processes. He will also develop collections of minerals and rocks representative of important mining districts.

Mr. Pohl has completed work on basalt-seawater reactions for his Ph.D. in geochemistry which will be conferred in January, 1985 from Stanford University. He has also completed an experimental investigation of the solubility of uranium dioxide in aqueous media at elevated temperatures and pressures.

While working toward his doctorate, Mr. Pohl also served as part-time consultant on various uranium and gold geochemistry and geology projects for Chevron Resources Co., Exxon Production Research Co. and Exxon Minerals Co. Before that he worked on mining projects in Africa and Australia.

Mr. Pohl was born in Germany in 1944, and in 1951 moved with his family to Australia where he earned his B.A. with honors in geology-geophysics in 1970 from Macquarie University, and an M.S. in mining and exploration geology in 1974 from the James Cook University.

ROOT AND ARTH NAMED TO COUNCILS

Nina J. Root, chairwoman of the Department of Library Services, and Malcolm Arth, chairman of the Department of Education, have each been appointed to prestigious professional councils.

Ms. Root was named to a five-year term on the Advisory Council on Libraries for the New York State Board of Regents. The Council advises officers of the State Education Department in the development of statewide library and information policies, and makes recommendations to the Board of Regents.

Dr. Arth has been elected Councilor-at-Large to the Council of the American Association of Museums. This will be his third, three-year term on that national body.

HERE AND THERE

ANTHROPOLOGY: David Hurst Thomas, curator, and his crew left the end of October for St. Catherine's Island to begin the autumn field season...The new archeological metals conservator for the Hall of Peoples of South America is **Dana Brown**...**Janet Strom**, curatorial assistant, and **Vuka Roussakis**, conservation specialist, were in Washington, D.C., the beginning of November for the seventh Textile Preservation Symposium of the Harper's Ferry Regional Textile Group...**Nancy Demyttenaere**, conservator for the Hall of Peoples of South America, was in Europe in September for conferences of the International Institute for Conservation in Paris, and the International Council of Museums in Copenhagen.

BUILDING SERVICES: Joining as assistant manager is **Martha Meegan**

DEPUTY DIRECTOR FOR RESEARCH: Lauren Duffy has been hired as a scientific assistant in Interdepartmental Facilities to work with **Joan Whelan**, coordinator, on the Scanning Electron Microscope and the Wang computer and word-processing system

DEVELOPMENT AND PUBLIC AFFAIRS: Deborah Fairchild has been hired as the new senior secretary in Discovery Tours, replacing **Elizabeth Garrison** who has returned to college in California...**Kate Bennett-Mendez**, manager for Development, has accepted a position as director of the Staten Island Children's Museum...**Stanton Orser**, Development associate, left to become director of Development at the Stonybrook-Millstone Watershed Association...**Gene Barnett**, secretary, left to pursue a teaching career in San Francisco

EDUCATION: **Malcolm Arth**, chairman, and **Marcia White**, African-American Programs coordinator, left for India in mid-November on a museum educator exchange program with the National Museum of Natural History of New Delhi. Dr. Arth returns in mid-December, and Ms. White returns in early January. As part of the same exchange program, **Elizabeth Jacob**, staff member of the New Delhi museum's education department, is visiting this Museum...The new senior clerk is **Jeffrey Katz**...**Nathaniel Johnson** has been promoted from senior museum instructor to Special Events coordinator, replacing **Florence Stone** who moved to Washington, D.C....**Stephanie Fins** joined as Dalton School lecturer...**Neil Clement** was promoted to senior secretary...**Marilyn Godsberg** was promoted from senior clerk to supervising clerk.

EXHIBITION AND GRAPHICS: Four new intern preparators are **Arlene Jangaard**, **Leslie Gerhauser**, **Joyce Cloughly** and **Ricardo Ramirez**...**Christine Vanable** was promoted from curatorial assistant in Ichthyology to preparator in Exhibition.

HERPETOLOGY: The new part-time curatorial assistant is **Colleen Coogan**...**Monika Kerschus** was promoted from part-time curatorial assistant to curatorial assistant III.

ICHTHYOLOGY: Joining as senior secretary is **Kathy Sanborn** who replaces **Joan Fraley**...**Mary Rauchenberger** is the new part-time curatorial assistant III.

INVERTEBRATES: The new secretary is **Stephanie Crooms**.

LIBRARY SERVICES: **Karen Salzman**, tour administrator, married Alan Goldfarb on Sept. 15. The couple spent their honeymoon in Greece...Joining as senior reference librarian is **Linda Reichert**...The new senior clerk is **Elizabeth Garcia**...**Karen Weaver** is the new part-time assistant...**Penelope Bodry-Sanders** was promoted from part-time conservation assistant to project associate...The Library has received a grant from the U.S. Department of Education. It will be used to strengthen the Special Film Collection. The funds will be used to accession, catalog, restore, duplicate and disseminate information about some 1,270 reels of film.

MAINTENANCE: **Andrzej Witek** is the new assistant manager...Two new Museum maintainers are **Herbert Stultz** and **Don C. de Sargentos**.

MICROPALEONTOLOGY PRESS: **Anne Choquette** joined as Museum technician.

MINERAL SCIENCES: **Hiroshi Mori**, from the University of Tokyo, is the new Boechenstein research fellow...**George E. Harlow**, associate curator, and E. Peter Olds, graduate student from Princeton University, spent the summer in Guatemala looking for jadeite, the precious jade of Mesoamerican cultures...Dr. Harlow and **Martha R. Kimball**, research fellow, attended two NATO-sponsored meetings on the medical aspects of asbestos, in England in September and in West Germany in October...**Joe Peters**, senior scientific assistant, attended the Annual Detroit Gem and Mineral Show in October and gave a talk and displayed a selection of Museum minerals...**Martin Prinz**, chairman, and **Jeremy Delaney**, research fellow, delivered papers at the Meteoritical Society meeting in New Mexico.

MUSEUM SHOP: Four new part-time sales assistants are **Lauren Smith**, **Angela Trigonis**, **Katherine Jeblick** and **Susan Bolduc**.

NATURAL HISTORY MAGAZINE: **Barbara Shepard** joined as part-time membership desk assistant.

ORNITHOLOGY: **Lester Short**, chairman and curator, led an East African Safari Discovery Tour in October. He and his wife, Jennifer, will study honeyguides, barbets and woodpeckers in Kenya until January...**Jane Connelly**, former senior clerk in the school reservations office of the Education Department, is now senior secretary for Ornithology...**François Vuilleumier**, curator, and his wife, **Rebecca Finnell**, senior editor for *Natural History* magazine, are parents of a baby girl, Isabelle, born Sept. 11.

PUBLIC ADMISSIONS: **Sayed Samad** was hired as assistant manager...**Laura Holtz** is the new part-time cash analyst.

PURCHASING: The new purchasing associate is **David Csury**.
PLANETARIUM SHOP: **Dana Watler**, **Karen King** and **Judith Benari** joined as part-time sales assistants.

Grapevine



American
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LIBRARY

JANUARY/FEBRUARY 1985

DOES NOT CIRCULATE

FEB 8 1985

VOL. 42, NO. 1

A. M. N. H.

ANN HUTCHINSON NAMED TO BOARD OF TRUSTEES

Ann Merritt Hutchinson, active in behalf of educational, social welfare and cultural institutions, including the American Museum where she first contributed her time and skills in 1970 as a volunteer, was named to the Museum's Board of Trustees at the Dec. 10 meeting.

Mrs. Hutchinson has served as chairwoman, board member or fundraiser for: School District

5 in Manhattan, the National Urban League, St. Luke's/Roosevelt Hospital Center, the United Negro College Fund, the Opengate Home for the Mentally Retarded, the Chappaqua Symphony Orchestra, the Dance Theater of Harlem, and the NAACP Legal Defense Fund.

Mrs. Hutchinson graduated from Bennett College in Greensboro, N.C. in 1950, and went on to earn an M.S. degree in 1951 from Teachers College of Columbia University. She completed special study programs at the Virginia State College and the University of Cincinnati. Mrs. Hutchinson began her career as a teacher in Atlanta. She also served as an educator in Nashville and Cincinnati.

She is the wife of Dr. John E. Hutchinson, III, director of the Division of Cardiothoracic Surgery at St. Luke's/Roosevelt Hospital, and associate clinical professor of surgery at the College of Physicians and Surgeons of Columbia University. They have four children (Niki Wright, John IV, Leigh Ann, Kerry Beth) and one grandchild.

In October, the family provided a uniquely generous service to



New Trustee Ann Hutchinson

the Museum and its friends. They made their lovely home in Chappaqua, N.Y., available as the temporary residence of Otumfuo Opoku Ware, II, king of the Asante people, when he and his entourage were in this country for the opening of the special exhibition, "Asante: Kingdom of Gold."

UNITED WAY DRIVE SETS RECORD

Museum employees opened their hearts and wallets to make 1984's United Way Campaign the most successful in history.

Gareth Nelson, chairman of the Department of Ichthyology, led the drive in which 391 employees contributed a record total of \$11,974.88

"American Museum employees comprise 15 percent of the total museum payroll in New York City," said Museum Director Thomas D. Nicholson. "However, our people contribute roughly 50 percent of the city-wide museum total. The generosity of our employees sets a very impressive example. This is why I serve as Cultural Chairman of the United Way, and present the organization's case to other institutions."

Sixty-three percent of the Museum's employees participated in the fund-raising drive. Although the dollar total represents a five-percent increase over last year's, the total number of Museum employees participating dropped two percent.

Of 264 employees making check and cash contributions, the average was \$14. Of 127 employees making payroll deduction contributions, the average donation was \$65.

HOLIDAY CROWD

The Rotunda overflowed with familiar faces enjoying holiday food, music, drink, cheer and Origami at the Dec. 3 preview/party for the new Margaret Mead Hall of Pacific Peoples. Some 600 salaried and volunteer employees attended.



PASSING OUT ORIGAMI KNOW-HOW...

Volunteer employee Flora Posnick, right, was one of 62 volunteers who put in a record of 384 hours teaching paperfolding at the Origami table beside the Origami Holiday Tree. Their efforts made it possible for any visitor to the Museum over the holidays between Nov. 19 and Jan. 6 to learn the basics of Origami paperfolding.



...AND ORIGAMI MODELS

Michael Shall, volunteer Origami specialist, has his hands full keeping up with demand for Origami models at the festive Nov. 19 tree-lighting party for volunteers and employees.



DISCUSSING DINOSAUR REPLICAS

Ivy Rutzy, part-time replica molding assistant in the Replica Studio, talks in Japanese to a group from Toyohashi, Japan about the *Tyrannosaurus* mold project. Genaro Mauricio, left, part-time preparator, works on the tail section.

HIGH SPIRITS



Balloons are for eating for Lori Sergeant, 11 months, niece of Ismael, Caribbean programming coordinator in the Department of Education.



The bright lights of the stage are nothing compared to the eyes of Steph Sorahan, 2½, godson of Norene Brooks, Plant Operations manager.



With bows in their hair are Jessica, 9, left, daughter of Vicente Morales, senior artist in Graphics, and friend, Shimrit Nameri, 10.

T CHILDREN'S CHRISTMAS PARTY



"Call me Nick," he said. That's Nicholas Bua, 5 months, grandson of Theresa Sporing, manager of General Services, meeting his match.



Her face is pretty as a Christmas ornament. Doneshia Davis, 10, with Claudeth Housen, 15. They are nieces of Cynthia Carby, senior Museum attendant guard.



DeSean Lermond, 5 months, enjoying a bit of ice cream with Cheryl Passee, 5, looking on. They are grandchildren of James Webb, Museum attendant guard.



Talking frankly with Santa is Ethan, 6, son of Sue Gronewald, Asian specialist in the Department of Education.

The sparkling sounds of children's laughter bubbled up from underneath the blue whale at the Children's Christmas Party on Dec. 13, and plenty of fun, food and access to Santa kept some 400 youngsters full of cheer.

Special thanks go to three busy clowns who donated their talents and brightened up many a young face with clown face-painting, balloon animals and outrageous antics. Thanks, too, to the volunteer employees who manned a special children's Origami teaching table.

Apparently, all the young people were good during 1984, because everyone got a present from Santa. The popular affair was staged to perfection by Ernestine Weindorf, assistant to the publisher of *Natural History* magazine, with Editor Alan Ternes again playing the evening's lead role.



The goddaughters of Marilyn Godsberg, supervising clerk in the Department of Education, from left, Laura, 9, Chrissy, 7, and Kim Butler, 8, seem to enjoy eating, and talking about, their hotdogs.

REFURBISHING BEGINS AT THE TOP IN THE HALL OF OCEANIC BIRDS



A lot of gentle elbow grease is making a big difference on the ceiling mural of the Hall of Oceanic Birds. The line of progress on the restoration project shows up clearly in this picture of the Department of Exhibition crew in action: (from left), Stephen Quinn, and two intern preparators, Arlene Jangaard and Leslie Gerhauser

The crew from the Department of Exhibition was 35 feet above the floor of the Whitney Memorial Hall of Oceanic Birds, scrubbing dirt and grime off the blue sky ceiling mural that was painted in the 1930s by Francis Lee Jacques.

Eagle-eyed Stephen C. Quinn, senior principal preparator in Exhibition, glanced down and spotted Museum visitor, Bill Murray, the film and TV star.

"Hello Bill Murray," Mr. Quinn shouted. "You did a great job in *Ghostbusters*." (His latest, hit film).

Mr. Murray looked at the ceiling and hollered back, "Hey man, thanks a lot. I loved you in *Agony and the Ecstasy*."

Like nearly everyone who enters the dramatic Hall of Oceanic Birds, Mr. Murray was instantly inspired with the extraordinary, classic proportions of the uniquely unified gallery. The Hall is designed to give visitors the illusion that they are viewing scenes of bird life in every direction throughout thousands of miles, from the middle of the Pacific Ocean.

The same horizon line crosses through all 18 habitat groups. The sky appears to rise from the case backgrounds and run into the blue sky, clouds and birds of the dome.

But with age and hot air, the bright blue dome has grown much too dark. The original incandescent bulbs that ring the ceiling have created a continuous upward convection current and this has deposited layer after layer of dirt, blocking the mural's delicate hues.

The hot bulbs are now being replaced with fluorescent tubes. Their light will be much cooler and will further enhance the cool

blue spectrum of the sky.

Aiming to restore the dome to its original brilliance, the Exhibition crews are going over every square inch of the 2,700-square-foot dome at least twice, scrubbing gently but firmly by hand, to remove all the dirt, none of the subtle pigment, and leave no residue. They are using a water solution of sodium carbonate and ammonium chloride.

When the dome is finished sometime this spring, overhaul of the Hall will progress down into the cases themselves. The lighting is being redesigned and the displays are slated for refurbishing in the dioramas. The walls of the Hall will be repainted.

HERE AND THERE

ANTHROPOLOGY: John Hyslop is the new research fellow.

BUILDING SERVICES: Cynthia Carby and Eugenia Llanes were promoted to senior Museum attendant guards.

CONSTRUCTION: The new Museum maintainer is Marco Rivera.

DEPUTY DIRECTOR FOR RESEARCH: Joining as editor of Scientific Publications is Brenda Jones... Lauren Duffy is the new scientific assistant.

DEVELOPMENT AND PUBLIC AFFAIRS: William J. Mullahy is the new manager for Development.

EDUCATION: Margarita Wurfel joined as Museum instructor... Ann Prewitt is a new part-time teacher.

EXHIBITION AND GRAPHICS: Christopher Toy joined as projectionist for Audio/Visual Section... Vivian Stillwell was promoted to senior principal preparator.

GENERAL SERVICES: The new senior clerk is Yvette Jones.

HERPETOLOGY: Charles Myers, chairman and curator, continued research at Cerro de la Neblina in Venezuela from Nov. 10 to Dec. 13.

ICHTHYOLOGY: Loretta Stillman, curatorial assistant III, left the Museum after a year assisting in the organization of the larval fish collection... Janice Lilien joined as curatorial assistant... Ralph Evans, part-time curatorial assistant III, has left the Museum.

INVERTEBRATES: The new field research associate is George Bruno... Karl Kaufmann joined as scientific collaborator... Michael Ehrlich is the new part-time curatorial assistant.

LIBRARY SERVICES: Terrie Ashley, clerk, had a boy, Austen James, born on Dec. 4... Gerhard Lowy, long-time cataloging volunteer, is fully recovered from a heart attack and will return to work soon... Joining as part-time Library assistant is Lydia Romero... The new film project assistant is Rachel Liebling... Adrienne Usher joined as senior clerk.

MAINTENANCE: Three new Museum attendant guards are Freddy Torres, Rita Lacks and Theresa Cyrus.

MAMMALOLOGY: Ethel Tobach, curator, has been reappointed for a second, five-year term to the prestigious N.Y. State Board for Psychology of the N.Y. State Education Department by the N.Y. State Board of Regents. In addition, she was elected president of the Division for Physiological and Comparative Psychology of the American Psychological Association for 1985, president of the International Society for Comparative Psychology, and to the Board of Directors of the Eastern Psychological Association.

MICROPALEONTOLOGY PRESS: Jennifer Shavzin joined as Museum technician.

MINERAL SCIENCES: Silvester Sterbal was hired as technical specialist... Jeremy S. Delaney, research fellow, was appointed an associate editor for the *Journal of Geophysical Research*.

MUSEUM SHOP: Two new part-time sales assistants are Jose Rodriguez and Olabisi Adenekan.

ORNITHOLOGY: George F. Barrowclough, assistant curator, and Peter Cannell, graduate student at Queens College, returned in mid-December from the remote Cerro de la Neblina research project in the Amazon basin.

PLANETARIUM: Russell Waugh joined as intern.

VOLUNTEER OFFICE: Sheila Greenberg is the new Museum Highlights Tour coordinator.

Grapevine



American
Museum of
Natural
History

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FOUR SPECIAL EXHIBITIONS FOR SPRING



THE INSPIRATION



THE LOGO

Undoubtedly, this powerful study of man and horse will be one of the most recognized in the special exhibition of S. Harmsted Chubb's major works in Gallery 1. It was the inspiration for the Museum's logo, adopted in 1974.

One way or another each of four special exhibitions scheduled to open at the American Museum between Feb. 26 and April 26 tells a unique story that began years ago. With the Department of Exhibition and Graphics, Museum pros from many departments have participated in years of planning, design and execution.

The special exhibitions supplement the Museum's permanent exhibitions and galleries with a wide range of subjects and displays, all for the further enlightenment, entertainment and edification of the Museum's visitors.

The four special exhibitions are, in order of their openings:

★ **"Mountain of the Mist"** opened Feb. 26 and will run through Sept. 2, in the Akeley Gallery. Prepared with the generous support of the Arthur Ross Foundation, this exhibit displays stunning photos of frogs, snakes, bats, catfish, plants and insects collected by Museum scientists on expedition to the Cerro de la Neblina, the "Mountain of the Mist," in the remote rain forests of southern Venezuela.

★ **"Captured Motion: Skeletal Studies of S. Harmsted Chubb"** opened March 19 and will run through June 16 in Gallery 1. All of Mr. Chubb's major works are featured including the rearing horse juxtaposed with a human reaching for the bridle.

★ **"John James Audubon: Science into Art"** opens April 18 and will run through July 21 in the Naturemax Gallery. Marking his 200th birthday, this exhibition of the scientific and artistic achievements of the great North American naturalist includes paintings, prints, documents and memorabilia from the Museum's collections.

★ **"Maya: Treasures of an Ancient Civilization"** opens April 26 and will be on view through July 28 in Gallery 3. This is the first comprehensive exhibition of art treasures from 3,500 years of Maya history. It has been organized by the Albuquerque Museum. After its premiere at the American Museum, it will go on a tour which concludes in 1987 at the Albuquerque Museum.

KUDOS FOR MUSEUM'S FOOD MANAGER

Wilfredo A. Lantigua, manager of the Museum's food services, has been awarded the 1984 Restaurateur of the Year Award from his employer, Restaurant Associates Industries, the company that operates the Museum's dining and catering facilities.

The award was for excellence in the performance of his many duties. Fred Lantigua manages the Museum Restaurant, the Food Express, the school lunchrooms and the outdoor Terrace Cafe, opening again on May 15, alongside the flower bed at the 77th Street entrance.

Some 1,200 customers a day, including many Museum employees, enjoy the results of the effort of Mr. Lantigua and his crew.

Mr. Lantigua also manages the catering services which play such an important role in the success of the Museum's many special events and banquets. A good example was the spectacular array of food and drink at the party/preview last Dec. 3 for the new Margaret Mead Hall of Pacific Peoples, attended by some 600 Museum employees.

Before coming to the American Museum in January, 1984, Mr. Lantigua, a native of the Dominican Republic, served as manager of the dining facilities at Chemical Bank's corporate headquarters on Park Avenue.

A reminder to Museum employees on food service: the Food Express is open for morning coffee breaks from 9:30 to 10:30. At lunch time, the left line is reserved for employees from 11 to 2. However, on busy days, this line closes at 12:30 p.m.



The Museum's manager of food services, Fred Lantigua, right, behind the counter in the Food Express with counterman Roy Abraham

KLEMENS FINDS RAREST U.S. TURTLE IN MASSACHUSETTS



The elusive bog turtle

The existence of the bog turtle (*Clemmys muhlenbergii*) in Massachusetts has long been suspected by researchers, but, except for an isolated individual believed to have been released in 1966, no bog turtle had ever been found in the state.

That was, until last May, when Michael W. Klemens, senior scientific assistant in Herpetology, hit the Massachusetts bog turtle trail. While others have spent decades searching for and not finding the elusive reptile, Mr. Klemens spotted a healthy, adult female with the distinctive bright orange blotch on its neck on his third day in the field.

It was basking in the cool spring air in a remote area of open bog, its preferred habitat. Finding the needle in the haystack is not difficult, if you know exactly where and when to look. A rare knowledge and experience with bog turtles and their extremely specialized habitats were Mr. Klemens' main assets, plus an ability to "think turtle."

The bog turtle is difficult to detect because of its rarity, its small size (less than four inches long), and its habit of burrowing under mud and vegetation. It occurs in widely scattered populations in the eastern U.S. and is nowhere common. It is the rarest U.S. turtle.

Before going into the field, Mr. Klemens studied topographic maps of western Massachusetts, focusing on several thousand acres of bog and wetland in Berkshire County. Looking for particular geology and drainage patterns, and specific grass and sedge conditions, he narrowed the target area to some six acres.

He figured the best chance to spot the secretive bog turtle would be in the morning, during a cool period between the severe cold of winter and the great heat of summer.

Mr. Klemens and his party, a team of biologists from the Massachusetts Division of Fisheries and Wildlife and The Nature Conservancy, headed for the field on the third weekend in May, working under a grant from The Nature Conservancy. Over five weekends in May, June and September, they discovered a total of four bog turtles. One of them was a yearling; one of the four was found twice.

"This proves the population in Massachusetts is vital and reproducing," Mr. Klemens says. "The known range of the bog turtle has been extended from northwestern Connecticut to western Massachusetts."

The Nongame and Endangered Species Program of the Massachusetts Division of Fisheries and Wildlife officially announced "discovery of the first confirmed population of bog turtles" in the state, and the find has been written up for publication in the March, 1985 issue of the *Herpetological Review*.

The story has already been picked up by the wire services and published in newspapers all over the world, including the International Herald Tribune, a paper in Athens, and The New

York Times.

Mr. Klemens prefers not to discuss specifics of the bog turtle's habits and habitats. This is because, overall, bog turtle populations are believed to be declining as a result of illegal collecting and continued loss of suitable wetland habitat.

OPERATORS ON THE MUSEUM'S FRONT LINES



Good humor, lots of knowledge and plain old common sense keep the Museum's telephone operators well afloat in the daily tide of calls. Left to right are: Charlesetta (B B) Moses, Margaret (Peggy) Brown and Catherine Bizelia, senior operator

With nearly 50 years of combined service at the switchboard, the Museum's telephone operators have learned to deal with a huge variety of incoming and outgoing calls every day.

"Usually, outside callers ask for a specific person in the Museum by name," said Catherine Bizelia, senior operator. "Many other callers have simple questions that we can answer directly about various activities, exhibition details, and Museum location or hours."

These kinds of calls are the routine majority, the operators' daily bread and butter. But a large number of other kinds of callers have specific natural history questions, but no idea at all to whom in which department they should speak.

Dealing with these calls ranges from easy to difficult. Sick birds go to Ornithology; frogs and snakes to Herpetology; bee swarms to Entomology and so forth. But it can get tricky.

"Someone finds a bone; we ask whether it looks like a human or an animal bone, because human bones go to Anthropology, animal bones to Mammalogy, and fish bones to Ichthyology," Ms. Bizelia said. "Someone has a moose head hanging over the fireplace and its hair is falling out. This kind of thing used to go to Mammalogy; now it goes to Exhibition."

The main thing is speed.

"When the board is busy, there just isn't time for more than one or two quick, essential questions," Ms. Bizelia said. "The Volunteer Department has helped us out of many jams."

"They always know exactly where to send the hard ones," Sidney E. Horenstein, senior scientific assistant in the Department of Invertebrates, while waiting for the elevator, directly opposite the operators' glass-enclosed booth on the fifth floor.

Indeed, on the really odd calls, the Museum operators do display a wide knowledge of Museum affairs and imagination in connecting specific callers with the most logical Museum sources.

They need all their knowledge and experience, plus plenty of common sense, in handling the one-of-a-kind caller asking questions such as:

- What color were Teddy Roosevelt's eyes?
- What is the color of a queen bee's eyes?
- How big is a loon's tongue, and what color is it?

But even these calls hardly faze Ms. Bizelia and her clever, ever-
 courteous colleagues: Operators Margaret (Peggy) Brown,
 Charlesetta (B.B.) Moses, and Relief Operator Kathleen Weeks.
 In servicing the Museum's more than 600 employees with more
 than 550 extensions, the operators have learned to recognize
 virtually every employee's name and voice. Instantly, they can
 associate with his or her department and extension.

Their work echoes in their heads even when off duty.

"I might be standing in line at the bank during lunch hour and
 hear a familiar voice behind me," said Ms. Moses. "Without turn-
 ing around I will register who it is, where he works and what his
 extension is."

Ms. Brown said no other exhibition in the operators' memory
 as generated so many calls as "Ancestors," which closed
 Sept. 9 in Gallery 1.

"The calls poured in before and after 'Ancestors' closed, and
 many people were very disappointed to learn that the exhibi-
 tion would not be extended or travel to any other Museum,"
 Ms. Brown said.

KITT AND KAUFMAN WRITING FICTION

The American Museum is a place of many talents. Two fiction
 writers within the American Museum ranks have distinguished
 themselves with recent publications. They are Sandra Kitt, librari-
 an in the Planetarium, and Alan Kaufman, senior secretary in the
 department of Ichthyology.

Ms. Kitt has been an avid romance reader since she was 15,
 always studying the romance formula. Now, she can write her
 own romance novel in four to six weeks...and she's doing so with
 vengeance. She's written eight of them, and sold five.

Her first romance, "Rites of Spring," was published in February,
 1984, by Harlequin Books. Before the year was out, two more
 were published: "All Good Things," by Doubleday, and "Adam
 and Eva," by Harlequin. This year, she's hitting the bookstores
 with "Perfect Combination" and "Only With the Heart."

One of the trademarks of Ms. Kitt's fiction is that many of her
 characters are black, although race, per se, is not one of the
 major concerns in her novels.

"Publishers are finally willing to pick up ethnic stories involving
 blacks, hispanics and orientals," she says. "But I don't write just
 black or just white stories. They're intended for both. I want to
 show that romance is universal."

Ms. Kitt has more writing projects in various stages of concep-
 tion and production and has been interviewed about her writing
 career on several TV talk shows.

Of her future writing plans, she talks of moving into "main-
 stream" fiction. She says she'd welcome the opportunity "to write
 longer, more complicated stories with sub-plots."

Since he has to earn a living to support a writing habit, Alan
 Kaufman, recently promoted to senior secretary in Ichthyology,
 says he finds the atmosphere in Ichthyology very agreeable.
 Daily exposure to highly cultured people and their scientific and
 philosophic conversations are conducive to his spare time liter-
 ary efforts, he says.

Mr. Kaufman's first book, "The End of Time," has just been
 published by Hudson Press and is available in area bookstores.
 Its 60 pages contain nine short stories.

In his writings, Mr. Kaufman says he's concerned mainly with
 three themes: the holocaust and the Jewish/American experi-
 ence, American mythology and the unconscious, and childhood.
 He says "The End of Time" stories relate mainly to his interest in
 the unconscious. The characters reveal their natures in the inter-
 action of their various selves; the day-to-day self that struggles to
 survive in the real world, and the unconscious self that is in touch
 with the infinite truth of the world.

Mr. Kaufman returned to the U.S. about a year ago after seven
 years in Israel where he worked mainly as an editor and writer on
 literary events for the Israel Museum. While "The End of Time" is
 his first book, he has published individual stories in various jour-
 nals such as the *Columbia Review* and *Antaeus*.

FARIDA WILEY RECEIVES AUDUBON AWARD



Farida Wiley on one of her famed bird walks

Farida A. Wiley, honorary associate in natural science in
 the Department of Education, received the first annual New York
 City Audubon Society Individual Achievement Award for Service
 to the Environmental Community at the chapter's meeting on
 April 11.

Miss Wiley, 97 years old and a legend among birdwatchers and
 naturalists, was unable to attend the meeting to accept the award
 in person. She was nominated for the honor by Norman Stotz,
 Audubon chapter member.

"Farida Wiley deserves this award for an entire lifetime of serv-
 ice to the environmental cause and for educating generations of
 New York City children and adults," Mr. Stotz said.

Miss Wiley has been associated with the Museum for more than
 60 years. She is best known for her "Morning Walks in Central
 Park," which she conducted for many decades, and her all day
 "Natural Science for the Layman" weekend trips.

Her morning walks hardly had to be officially announced,
 because, as soon as she agreed to a schedule, word would leak
 out, and the birdwalks would fill. A plaque reading "Naturalists
 Gate" was put on the stone pillar at the corner of 77th Street and
 Central Park West (where all Museum-sponsored walks tradition-
 ally begin) in honor of Miss Wiley's 80th birthday.

Miss Wiley was involved in virtually every aspect of the Depart-
 ment of Education. She was born in 1887 in Sidney, Ohio. She
 joined the Education staff of the Museum in 1923 as an assistant.
 Miss Wiley was successively staff assistant, instructor and assis-
 tant chairman of that department.

After retirement in 1955, Miss Wiley was appointed honorary
 associate, a position she still holds. Her post-retirement contribu-
 tions to the Museum include assistance in planning the Felix War-
 burg Hall of Man and Nature and the Hall of North American
 Forests. She continued teaching field classes until the age of 94.

Miss Wiley received the New York City Parks, Recreation and
 Cultural Affairs Administration Distinguished Service Award in
 1975, and is the recipient of the American Museum Silver Medal.

In addition to her Museum work, Miss Wiley is the author of the
 definitive book on ferns in the northeast, "Ferns of the Northeast-
 ern United States," and a founder of the John Burroughs Memorial
 Association. She taught at the Audubon Society Camp in Maine,
 Pennsylvania State College and the Long Island Agricultural and
 Technical Institute.

SOME 30,500 LAMPS AND THREE LAMPERS KEEP THE MUSEUM LIT



Al Grenzig, assistant manager for lighting, examines various lamps on the desk in his basement office. He is holding one of the 400-watt mercury vapor globes used to floodlight the top of the Central Park West facade

Light. When the viewer is aware of it because of too much or too little, it is not doing its job. It is doing its job when it is unobtrusive. Then, the viewer sees easily all there is to be seen, in just the right shadow and light quality.

The man at the American Museum responsible for putting the designers' theories of light into practical action is Albert Grenzig, assistant manager for lighting in the Construction Department.

Working out of a tidy office on the basement level beneath Gallery 1, Mr. Grenzig manages large lamp and parts inventories in two nearby storerooms. Working with him are assistant maintainers in the Department of Maintenance: Gregory Sentouktsi, Manuel Cortez and Peter Gonzalez.

The three full-time lampers are kept busy replacing defective sockets and bulbs, and cleaning globes and reflectors. Their work takes them from the huge 400-watt floodlights outside the Roosevelt Memorial Hall, to the tiny, 6-watt aisle lights in the Main Auditorium.

The lampers replace approximately 22,000 lights a year. Using ladders and two electric lifts they know very well the vast network of behind-the-scenes catwalks, tunnels and ladders that lead to the many awkward light locations above ceilings, behind walls and between dioramas.

These days, Mr. Grenzig says, advancing light technology with new kinds of fluorescent and incandescent bulbs often makes it possible to improve lighting and at the same time reduce wattage. Accordingly, there is a concerted program underway now to upgrade lighting and conserve energy by using these new and more efficient light sources throughout the Museum.

Mr. Grenzig says there are some 30,500 working light bulbs and tubes in the Museum in exhibition galleries, lecture halls, dioramas, elevators, laboratories, stairways, offices, shops, restaurants, restrooms, corridors, offices, storage areas, school lunchrooms and conference rooms.

Of these, some 22,500 are fluorescent and 8,000 incandescent. The trend is toward more of the cooler, more efficient, longer-lasting fluorescent tubes

There are more than 200 different kinds of lamps used in the Museum. Their useful lives vary from 1,000 hours for ordinary incandescent bulbs, to 20,000 hours for some fluorescent bulbs, and 24,000 hours for high-pressure sodium bulbs

HERE AND THERE

ANTHROPOLOGY: Nancy Demyttenaere, objects conservator, went to England the first week in March to attend the 1985 Underwater Archaeology Symposium. She delivered a paper, "Archaeology, Artifacts, and Conservation: Reaching our Goals or Limitations"... **Kathy Sanborn** is the new curatorial assistant III... **Landis Smith**, scientific assistant, has joined the Maxwell Museum at the University of New Mexico in Albuquerque as conservator... **Stacy Goodman**, curatorial assistant I, has joined the pre-Columbian department of Sotheby's.

BUILDING SERVICES: Twelve new Museum attendant guards are: **Elsa Cruz, Juan Garcia, Jennifer DeLaRose, Theresa Dempster, Robert Hudson, Julia Parr, Reginald Pierce, Sylvia Valdez, Magdeline Vergas, Stanley Banos, Carolyn Waiters,** and **Beatriz Sanchez** (promoted from part-time sales assistant, Museum Shop)... **Chauncy Crawford** was promoted from Museum attendant guard to senior Museum attendant guard.

CONSTRUCTION: The new Museum maintainer is **Scott Peterson**.

DEPUTY DIRECTOR FOR ADMINISTRATION: **Robert Acker**, internal auditor, was one of the organizers of the 12th Annual Audit Conference held at the World Trade Institute in early February.

EDUCATION: **Nuria Valdivia** is the new secretary... The new Museum instructor is **Alison Loerke**... **Robert Aylward**, senior Museum instructor, moved back to his native Maine after 20 years service to the Museum.

EXHIBITION: **Ivy Rutzky** was promoted from part-time replica molding assistant to casting assistant... **Robert Bullock** was promoted from senior preparator to principal preparator... **Theodore Anderson** and **Michael Anderson** were promoted from preparators to senior preparators... After 14 years at the Museum, **William Fish**, senior principal preparator, retired at the end of December... **George Crawbuck**, principal preparator, retired Feb. 15 after 15 years.

ICHTHYOLOGY: **Barbara Brown** is the new scientific assistant... **Alan Kaufman** was promoted from secretary to senior secretary (see "fiction writers" on page 3).

INVERTEBRATES: The new part-time curatorial assistant is **Alina Avila**.

LIBRARY SERVICES: **Theresa Zmurkewycz** is the new part-time Library assistant.

MAINTENANCE: The new senior secretary is **Nancy Rivera**... **Pompilio Tenorio, Henry Sargeant** and **Robert Campbell** are three new Museum maintainers... New Museum attendant guards are **Stephen Eustace** and **Jacqueline DiBenedetto**.

MEMBERSHIP: The new part-time membership desk assistant is **Tim Convery**.

MICROPALEONTOLOGY PRESS: **Alonzo Darrow** joined as Museum technician.

MINERAL SCIENCES: **Adrianne Lott** is the new senior secretary.

MUSEUM SHOP: **Gary Morgan, Stephanie Livingston, Lauri Bischke, Elouise Loftin, Beatriz Sanchez** and **Chris Seyster** have joined as part-time sales assistants... **Heather Wiley** is the new part-time stock clerk.

NATURAL HISTORY MAGAZINE: The new advertising production coordinator is **Maura Russek**.

ORNITHOLOGY: Joining as secretary is **Doris Whigham**... The new Museum technician is **Mary Currie**... **Allison Andors** is the new scientific assistant.

PUBLIC ADMISSIONS: **Robin Brown** is the new part-time cash analyst.

VERTEBRATE PALEONTOLOGY: **Edward Pedersen** is the new Museum technician... **Dr. Qi Tao**, is visiting the department for a one-year study of fossil mammals. He is from the Institute of Vertebrate Paleontology and Paleoanthropology in Beijing, China... **John Maisey**, associate curator, was in Brazil visiting important fossil fish locations... **Paul Sereno**, graduate student, has returned after 10 months visiting dinosaur collections and field areas in China, Mongolia, the Soviet Union and Eastern Europe... **Larry Flynn**, postdoctoral fellow, is conducting fieldwork in Cameroon, West Africa.

Grapevine



American
Museum of
Natural
History

MAY/JUNE 1985

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TV CAMPAIGN UNDERWAY FOR MEMBERSHIP AND *NATURAL HISTORY* MAGAZINE



Mr. Attenborough tapes a TV commercial for memberships and subscriptions in the Hall of North American Mammals



Mr. Attenborough, left, consulting for his "Audubon" documentary with Mary LeCroy, senior scientific assistant in the Department of Ornithology, Thomas Kelly publisher of *Natural History*, and Douglas Preston, manager of Special Publications, right

A national TV advertising campaign began April 15 promoting membership in the Museum and subscriptions to *Natural History* magazine.

The noted British filmmaker, author and naturalist David Attenborough speaks up for the American Museum and its flagship magazine in the commercial spot.

Throughout the spring and summer, the TV spots will be seen on some 20 selected local and cable TV stations across the country, plus the early morning NBC and CBS network news.

Cary Castle, *Natural History* circulation manager, said, "Sure, millions will see the commercial, but what counts most is not who sees it, but how many call in to join or subscribe."

While Mr. Attenborough is helping the Museum and *Natural History* with this TV promotion, the Museum helped him recently in his preparations for his current BBC documentary, "Audubon." Last summer, Mr. Attenborough consulted with Museum experts and used materials from the Department of Ornithology collections for the colorful documentary.

A four-minute excerpt, describing the process of reprinting the original Audubon copper plates, can be seen in the special exhibition, "John J. Audubon: Science into Art," on view in the Naturemax Gallery until Sunday, July 21.

The full hour-long program was first telecast April 24, and will be repeated at 9 p.m., June 12, on Channel Q.

THE MORGAN HALL OF GEMS: THE SETTING FOR A STAR



Actress Anne Baxter takes a close look at gem crystals as they are found in nature

When actress Anne Baxter saw the Star of India on a recent visit to the Halls of Meteorites, Minerals and Gems, her big eyes widened like a leopard's.

They leaped instantly to the adjacent prize, the 85-carat cat's eye, and Ms. Baxter purred, "Ah, what memories. I gave a set of cat's eye cuff links to John Hodiak years ago. Such magnificent jewels."

Ms. Baxter chose the Minerals and Gems galleries as the setting for a photo and interview session with the N.Y. Daily News dealing with her long and very distinguished show business career.

The grand-daughter of architect Frank Lloyd Wright, an Academy Award winner (for her supporting role in "The Razor's Edge" in 1946), and current star of "Hotel" on ABC-TV, Ms. Baxter said the Museum and its Minerals and Gems galleries have always been among her favorite places in the world

SPECIAL TOUR FOR A SPECIAL CHILD

No child has appreciated the Museum's exhibits for young people more than Katherine Howe, 7, of New Knoxville, Ohio.

Kathy suffers from an advanced case of eye cancer, and one of her dreams has been to visit New York City and see the Statue of Liberty and the dinosaurs at the American Museum. Her trip was arranged by the Special Wish Foundation, a non-profit organization that works with terminally ill children and their families.

Museum volunteer Highlights Tour guide Phyllis Molle, who is also a nurse at Roosevelt Hospital, provided an extra special tour for Kathy who arrived with her parents, Richard and Michael, and her older sister, Heather, on Saturday, March 30.

"She seemed to enjoy and relax more as we moved along," Mrs. Molle said. "We went first to the Brontosaurus and Kathy touched its humerus bone and thought it felt cool, like a rock."

Marjorie Ransom, supervising Museum instructor in the Department of Education, joined the group in the Discovery room. Kathy and Heather enjoyed themselves tremendously there, touching feeling and looking at everything, and trying on the various masks and hats, from Darth Vader to a wedding veil.

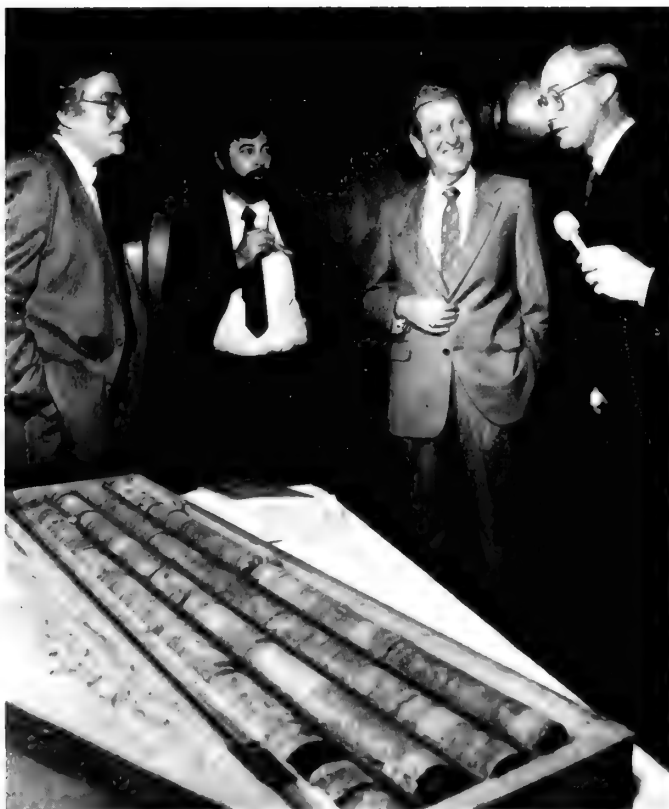
In the Hall of Minerals and Gems, Kathy took her mother's picture with her own camera in front of the giant Brazilian topaz crystal, since topaz is her mother's birthstone.

"She was just like any other child who is really experiencing, and enjoying, the Museum for the first time," Mrs. Molle said.

Kathy herself pronounced the dinosaurs, "neat."

A spokesman for the Special Wish Foundation, R. Andrew Johnson, said, "I can't tell you how much the Museum and Mrs. Molle's tour meant to the entire family. Everyone appreciated the Museum's effort and Mrs. Molle's care, kindness and concern."

NY POWER AUTHORITY DONATES CORES TO DEPARTMENT OF INVERTEBRATES



John S. Dyson, right, chairman of the New York Power Authority, formally presented the Museum with some 700 pounds of fossil-bearing mineral cores from an upstate drilling site where other scientifically interesting specimens were previously found. Formally accepting the material for the Museum on April 18, are, from left, Sidney Horenstein, senior scientific assistant, and Niles Eldredge, chairman of the Department of Invertebrates, and Museum Director Thomas D. Nicholson.

CHAMBER MUSIC DURING LUNCH HOUR ON THE FIFTH FLOOR

A small circle of scientists and secretaries on the fifth floor is regularly giving up its lunch hour to play chamber music.

The midday chamber music began around 20 years ago when Harry L. Shapiro, curator emeritus in the Department of Anthropology, and Colin M. Turnbull, former associate curator of African Ethnology, discovered a mutual interest in music.

Dr. Turnbull would play a clavichord he built himself, and Dr. Shapiro would accompany him on the cello.

"But Dr. Turnbull moved to Washington and our little music



Playing a Telemann sonata during their lunch hour are, from left, Beatrice Brewster, Leslie Marcus, Clarissa Wilbur and Harry Shapiro

group collapsed," Dr. Shapiro said. "For a while there was no music at all."

The music began again in early 1977, shortly after Dr. Shapiro met the late Cook Glassgold who was then a new volunteer in the Department of Anthropology. Other Museum amateur musicians heard the strains of Dr. Shapiro's cello and Mr. Glassgold's recorder drifting down the fifth floor corridor and got involved.

These spontaneous musical efforts got a big shot in the arm when the Office of Guest Services purchased a small spinet piano for use at social and performing events. It was agreed to store the piano in the Department of Invertebrates laboratory, off the long fifth floor corridor near the telephone operators.

For the past several years, two trio groups have been performing there regularly.

Dr. Shapiro has played his cello with both: on Tuesdays, with Leslie F. Marcus, research associate in the Department of Invertebrates on the piano, and Mr. Glassgold on the recorder; and, on Mondays, with Beatrice Brewster, senior secretary in the Department of Entomology on the recorder, and Clarissa Wilbur, secretary in the Department of Anthropology on the piano.

Mr. Glassgold, who was one of the group's most dedicated and talented members, died in February. His wife, Sophia, came by the Museum and said her husband's music colleagues could keep his very small, but select, sheet music library and other music paraphernalia.

Included is the music for one of the great Franz Joseph Haydn London trios, transcribed by hand in Mr. Glassgold's clear musical script for his own recorder. Also included is the special piano-tuning wrench/hammer and a book, "How to Tune a Piano," purchased, and used, by Mr. Glassgold because the spinet falls quickly out of tune.

With Mr. Glassgold gone, his music partners are now rearranging themselves into new groups with his music and instruments.

SIX NEW MEMBERS JOIN QUARTER CENTURY CLUB AT DINNER MAY 6



retiree Robert E. Williamson, left, former editor of *Natural History* magazine, and his wife, Ruth, chat with fellow retiree George B. Decker, right, of the Controller's Office, his wife, Charlotte.



New member George W. Foley, right, senior technician in the Department of Herpetology, with retiree Vincent LePore, formerly with the Construction Department



retiree Alma G. Cook, administrative secretary to Museum Deputy Director for Administration Charles A. Weaver for many years, her former boss at the Quarter Century reception.

Six new members were inducted into the Quarter Century Club at its 36th annual reception and dinner on May 6. Some 130 Museum veterans and their spouses or guests gathered in the Hall of African Mammals for the festive evening of reunions and reminiscences.

After a dinner of medallions of veal, wild rice and key lime pie, Museum Director Thomas D. Nicholson welcomed the old-timers back to the Museum and reviewed the careers of the newcomers. Museum Trustee Ann M. Hutchinson presented each new member with a certificate of membership.

Including the six newcomers, there are now a total of 182 members in the distinguished club of those who have known the Museum longest and best.

Named to the Quarter Century Club this year were: Martin J. Daly, electrician in the Construction Department; George W. Foley, senior technician in the Department of Herpetology; Stanley A. Freed, curator in the Department of Anthropology; Robert B. Hill, assistant manager in the Department of Building Services; Edward P. McCormick, supervising clerk for shipping and receiving in the Department of General Services; and Malcolm C. McKenna, Frick curator in the Department of Vertebrate Paleontology.



Malcolm C. McKenna, Frick curator in the Department of Vertebrate Paleontology, with his wife, Priscilla, at the reception and dinner



Planning exhibition projects over the years are new member Stanley A. Freed, left, curator in the Department of Anthropology, with retiree Henry Gardiner, formerly design chief in the Department of Exhibition and Graphics.



A reunion of Building Services comrades at the Quarter Century Club reception with Louis Penna, right, shaking hands with Sam Castelli. That's Albert J. Sabie, seated and Terence Dolan, center, looking on

ALFONSÍN HONORED BY AAAS



Argentine President Raul Alfonsín (center, in the top coat) and his entourage pass the sea-going canoe in the Seventy-seventh Street Foyer on March 21 on the way to a reception in the Hall of African Mammals, given by the American Association for the Advancement of Science. Mr. Alfonsín was honored by the AAAS for his record in advancing the cause of science and upholding human rights in Argentina. As he was leaving the Museum, Mr. Alfonsín stopped at the Pampas diorama in the Hall of Birds of the World for a look at the wildlife of Buenos Aires province, his birthplace.

IMPROMPTU DISPLAY AT EMPLOYEE PARKING LOT ENTRANCE

An impromptu display featuring a discarded plaster bust has appeared at the employee parking lot entrance, and it is becoming quite a conversation piece.

The display began on a bitter cold morning last December when Domenico Ardito, senior attendant guard, was stoking the Museum incinerator. The plaster cast of an imposing man with a beard caught his attention in the dumpster, and he saved it from the flames.

Later, he and Terry Olsen, Museum attendant guard, got to chatting about the bust's penetrating stare. Ms. Olsen put it on top of the traffic gate next to her booth at the 78th Street driveway entrance, off Columbus Ave.

She covered the statue's eyes with a pair of sun glasses to



Flanking "Stone Dead" at the employee parking lot entrance are Museum attendant guards, Terry Olsen, left, and Eddie Adjei.

block the piercing look. As time passed, Ms. Olsen and Edward Adjei, a senior Museum attendant guard who is also stationed at this entrance, took to changing the statue's accessories to suit the weather and the mood of the day.

Rose Wadsworth, administrative assistant in the Department of Exhibition and Graphics, donated a multi-colored ski mask for the chill of February, and different glasses and hats of the season appeared. When spring arrived, Terry added a jar of daffodils, which were replaced by a pot of blue pansies.

Nearly all employees and delivery people who walk and drive through this service entrance are intrigued with the changing assemblage, Ms. Olsen reports. The sculptor is Ignacio (Iggy) Fajardo, former senior preparator in Exhibition, now a student at the Fashion Institute of Technology.

Upon returning to the Museum recently for a visit, Mr. Fajardo said he was "startled, and thrilled, to see the guy there with a hat on." He made the bust in 1980 as a student at the Art Students League. He brought it to the Museum to use for practice in his molding and casting work in Exhibition.

Lately, the bust has been sporting a gold San Diego Padres baseball cap with the letters "SD," in brown, and Ms. Olsen has been saying his name is, "Stone Dead."

HERE AND THERE

ANTHROPOLOGY: Judith Levinson joined the department as conservator...Laila Williamson was promoted from part-time assistant to anthropological exhibit associate...David Hurst Thomas, curator, and his crew are in St. Catherines Island, Ga. for the 1985 field season...Ms. Levinson and Nancy Demyttenaere, objects conservators, will attend the annual meeting of the American Institute for Conservation of Historic and Artistic Works in Washington the end of May.

BUILDING SERVICES: The new Museum attendant guard is Carolyn Waiters...Beatrice Sanchez was promoted from part-time sales assistant in the Museum Shop to Museum attendant guard...Milton Santiago, Museum attendant guard, is the father of a baby boy, Jevon Brandon, born on March 12...Alice Foyah, secretary, spent April vacationing in Sierra Leone, where she visited her family...Andrew Drago, Museum attendant guard, retired the end of March.

DEVELOPMENT AND PUBLIC AFFAIRS: Judith Schott has joined the Office of Development as Development associate...Margaret Fretz joined the Volunteer Office as part-time information desk supervisor.

EXHIBITION: William Fish, senior principal preparator, retired at the end of December after working for the Museum for 38 years...George Crawbuck, principal preparator, retired Feb. 15, after 31 years.

GENERAL ACCOUNTING: Charles Urban was promoted from assistant manager to manager. He replaces Ethel Brill who has left the Museum...Edris Sewell was promoted from clerk to senior clerk.

GENERAL SERVICES: Timothy Flynn was promoted from Museum attendant guard in Building Services to senior clerk.

ICHTHYOLOGY: The new part-time curatorial assistant is Christina Hamm.

LIBRARY: Christine Zvokel is the new part-time Library assistant.

MAINTENANCE: The new assistant Museum maintainer is Salvatore Oliva.

MINERAL SCIENCES: Demetrius Pohl, assistant curator, is in Peru until May 15, and will go to Chile until June 9, conducting field investigations on ore deposits.

MUSEUM SHOP: Five new part-time sales assistants are Thomas Lester, Jay Sevidal, Jeremy Bernard, Sonja Wilmot and Violet Lawrence.

NATURAL HISTORY MAGAZINE: Lisa Polk was promoted from part-time library assistant in the Library to assistant business manager for *Natural History*.

PURCHASING: The new senior secretary is Maria Vasquez.

Grapevine

LIBRARY

American
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REFERENCE

AUG 14 1985

JULY/AUGUST 1985

DOES NOT CIRCULATE A. M. N. H.

VOL. 42, NO. 4

NEW TITLE AND DUTIES FOR TOM KELLY

In a move to stimulate further growth of the Museum's earned income operations, Museum Director Thomas D. Nicholson assigned general management responsibility for the Museum Shop and Discovery Tours to L. Thomas Kelly, effective July 1.

The managers of these two operations, Martin Tekulsky and R. Todd Nielsen, will continue in their present responsibilities, but will now report to the director through Mr. Kelly.



L. Thomas Kelly

In recognition of his new duties, the Board of Trustees at the June 10 meeting appointed Mr. Kelly to the position of assistant director and publisher.

The new title and responsibilities are in line with Mr. Kelly's growing role in a number of the Museum's independent publishing and business operations.

These include: *Natural History* magazine (for which he has been publisher since 1982); the Members' Book Program; the new young people's anthropology magazine, *Faces* (published jointly with Cobblestone Publishing), and the Audubon Portfolio project with Alecto Historical Editions, Ltd. of London. Mr. Kelly was also named publisher of Micropaleontology Press last summer.

Mr. Kelly served as business manager of *Natural History* from 1973 until 1976. He went on to various financial and operating positions with several major magazine publishing houses, including Time, Inc., The New York Times Company Magazine Group and Newsweek, Inc. He rejoined *Natural History* in March, 1982 as associate publisher and general manager, and became publisher shortly thereafter.

AT NATUREMAX 'THE DREAM IS ALIVE'

The Naturemax Theater has a new feature film, "The Dream Is Alive," the story of the U.S. space shuttle program as seen and filmed by the astronauts. It opened June 26.

Astronaut George D. (Pinky) Nelson, prominently photographed in the film on a space walk repairing the "Solar Max" satellite, was among the guests at the press screening June 20, which launched the film to critical and popular raves.

Dr. Nelson and the other astronauts who worked on the film have often said the views from space in "The Dream Is Alive" are "the next best thing to being there."

Included is spectacular footage shot in space by astronauts on three space shuttle missions in 1984. The 37-minute feature is narrated by Walter Cronkite.

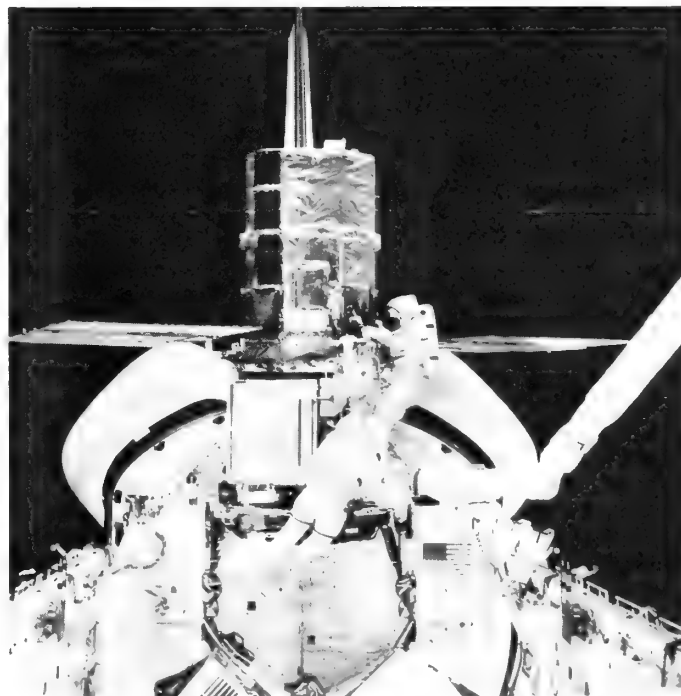
On hand with Dr. Nelson to answer press questions were: Graeme Ferguson, president of the IMAX Corp. and pro-

ducer/director; Walter J. Boyne, director of the Smithsonian National Air and Space Museum, where the film also opened, and George Mulhern, of Lockheed Missile and Space Company, the film's corporate sponsor.

"The Dream Is Alive" is now running continuously in the Naturemax Theater. Showings are every hour on the half hour, except on weekends when it plays in double features with "To Fly" or "Living Planet."



Astronaut George D. (Pinky) Nelson, right, talks about his space walk with Andrew Lyman of National Public Radio at the press screening for "The Dream Is Alive" on June 20.



Astronauts George Nelson, below, and James D. van Hoften repairing the "Solar Max" satellite on the Challenger space shuttle mission in April, 1984. This photograph, like the film it is from, "The Dream Is Alive," is not a simulation; it is the real thing.

ID DAY DRAWS HUNDREDS WITH THEIR 'TREASURES'



The visitor takes notes while Anibal Rodriguez, Anthropology, takes a closer look with his magnifying glass.



Walter E. Sage III, Invertebrates, discusses a small sea shell with some small, but very attentive visitors.



Joseph J. Peters, Mineral Sciences, tests a rock as its owner looks on hopefully



Jean Augustin, Mammalogy, discusses a specimen. The furry creature in the center, looking at the camera, belongs to the Museum.

It was the Museum's fifth Identification Day since the Department of Education's popular program began in 1979. And for a team of six Museum scientists June 1 was an extremely busy day, with hundreds of identifications being made for the general public.

On ID Day the Museum invites the general public to bring in anything -- old or new, animal, vegetable or mineral -- for identification by the experts.

All afternoon lines of some 350 to 400 visitors, many in family groups, some with baby carriages, filled the John Burroughs corridor and the lobby of the Charles A. Dana Education Wing. An amazing variety of treasures came out of every kind of box, sack, rag and bag, and, if any one went home unhappy, it was because sometimes the truth hurts.

The treasures in question ranged from walrus teeth and whale ribs, to fossils and arrowheads, and included knobbed whelk egg capsules from Jones Beach and a shoe box full of nondescript rocks dredged from a river in Alaska.

The crush of visitors slowed occasionally for most of the Museum

team, but not for Anibal Rodriguez, technician in the Department of Anthropology, who was occupied all afternoon with no letup at all. Even so, with his large, hand magnifying glass, he made sure each visitor got a full allotment of time and attention. Many of the visitors took notes on cards provided by the Museum.

Mr. Rodriguez dealt with an unbroken succession of objects that included a strange black vase, possibly from Haiti; animal carvings in rock, clay and jade, and an exotic-looking mandolin.

Sidney S. Horenstein, senior scientific assistant in the Department of Invertebrates, led the Museum's ID team, which was composed of, in addition to Mr. Rodriguez, Jean Augustin, senior technician in the Department of Mammalogy; David A. Brody, technician in the Department of Entomology; Joseph J. Peters, senior scientific assistant in the Department of Mineral Sciences, and Walter E. Sage III, scientific assistant in the Department of Invertebrates. Nathaniel Johnson, Jr., senior Museum instructor in the Department of Education, coordinated the event.

GREAT GULL ISLAND VOLUNTEERS ARE HONORED

The terns have responded to the restoration by Museum volunteers of their only extensive nesting site in the northeastern U.S. by returning to Great Gull Island in Long Island Sound.

Now, the many years of hard work have been recognized as a model of volunteer action by President Reagan and Mayor Koch.

The Great Gull Island project was among 60 finalists of 1,800 nominated in President Reagan's Volunteer Action Awards. Mayor Koch presented the honors on May 21 at City Hall.

Helen Hays, chairwoman of the Great Gull Island Committee, could not be there for the ceremony because it occurred at the peak of the tern egg-laying season when her presence was required on the island.

However, Mitzi Bhavnani, manager of volunteers, and Joe DiCostanzo, one of the Great Gull Island volunteers, were on hand to receive the hand-lettered citation signed by the President and the Mayor.

"This is the first time we submitted a nomination for these awards, and we're very pleased to be counted among the top 60," Mrs. Bhavnani said.

The Museum acquired the 17-acre Great Gull Island in 1949. The refuge, once a successful breeding ground, was abandoned by the terns in the mid 1940s because the nesting grounds had been covered by asphalt and concrete. During World Wars I and II the island was used as a military base.

But by 1955, the natural environment had begun to revive, and 25 pairs of common terns were nesting on the island. Today, some 5,000 pairs of terns thrive on Great Gull Island.

Since the 1950s, increasing numbers of volunteers and terns have flocked to the island. Last year a total of 150 volunteers worked on the Great Gull Island project in three groups.

Their duties have included putting up blinds, clearing land, marking nests, netting, weighing, measuring and banding birds,



New York Mayor Koch, right, takes the measure of a Great Gull Island T-shirt, presented to him by Joe DiCostanzo, on his right, after the Mayor presented him and Mitzi Bhavnani, left, with the citation honoring Great Gull Island

Photo by Holland Wemple

numbering and weighing eggs, recording data on other forms of birdlife and maintaining observation towers.

Twenty of the volunteers worked at the Museum in the Department of Ornithology, analyzing data collected on the island.

"It's tough volunteer duty," Mrs. Bhavnani said, "and they work very hard. There's no water or electricity on the island, and provisions are supplied from the mainland once a week. But the terns have inspired a great *esprit de corps*."

DRAGON DANCE KICKS OFF CHINA MONTH



This Chinese dragon spent much of Saturday and Sunday afternoons, June 1 and 2, parading through the second floor corridors and galleries. The creature kicked off China Month with several fantastic dragon dances in the Roosevelt Rotunda. The dragon was manned by a 14-person team from the Ho-Nan Shau-Lin Association. "China Month" attractions were organized by Margarita Wurfl, Museum instructor in the Department of Education.

CHUBB'S NIECES TOUR GALLERY 1



Marie A. Lawrence, center, senior scientific assistant in the Department of Mammalogy, escorts two nieces of S. Harmsted Chubb through the Gallery 1 special exhibition of skeletal mounts made by their uncle. They are Alice D. Rinehart, left, and Virginia D. McLoughlin. Mrs. Reinhart thanked Ms. Lawrence, who was responsible for most of the research, labels and scientific back-up for the exhibition, for the "thoughtful and loving job of showing and explaining" Mr. Chubb's work. The two women recalled that as young girls they visited Mr. Chubb in his laboratory at the Museum.

MUSEUM GETS AWARD FOR BLOOD DRIVE

Museum Director Thomas D. Nicholson and Susan Kroll, personnel assistant, went to City Hall on June 20 to accept an award from New York City for the Museum's participation in the 1984 Employee Blood Drive. Ms. Kroll was coordinator of the drive at the Museum.

City Personnel Director Juan U. Ortiz presented Ms. Kroll with a wooden plaque honoring the Museum "for its commitment in meeting community blood needs." Mayor Edward I. Koch delivered remarks in which he thanked and congratulated the Museum.

HERE AND THERE

ANTHROPOLOGY: Sympathy is extended to **Carin Burrows**, associate and Tibetan scholar whose husband, **Abe Burrows**, the playwright, humorist and great man of the theater, died May 17. Mr. Burrows, who will be remembered for many major contributions to the American theater (including "Guys and Dolls" and "Cactus Flower"), was a valuable friend and frequent visitor to the Museum for many years...**Kathy Sanborn**, former senior secretary in Ichthyology, is now a curatorial assistant III.

BUILDING SERVICES: Twenty-four new Museum attendant guards are: **Charles Aziz, Gerard Chan, James Didomizio, Freddie Early, Barbara Gist, Rene Glinoga, Daniel Hanna, Marilyn Lopez, Samir Luka, Audrey McNeil, Thomas McNulty, Alexander Mliakoff, Della Murphy, Peter Nicasio, Chris Norman, Eradne Ocean, Eduardo Ortega, Mahadai Prashad, Carlos Perez, Eliezer Rivera, Miriam Santos, Gail Slater, Edward Stone and Norma Torres...Gwendolyn Crawford, Gertrude Joseph, Carmen Robles, Bernard Thumann, and Adrienne Frederick** were promoted from Museum attendant guards to senior Museum attendant guards.

CONSTRUCTION: Joining as Museum maintainers are **Robert Acevedo** and **Sixto Troche**.

DEPUTY DIRECTOR FOR RESEARCH: The new assistant resident director for the Southwestern Research Station is **Wade Sherbrooke**.

DEVELOPMENT AND PUBLIC AFFAIRS: Joining the Office of Development are **Laura Coleman** as senior secretary and **Amy Lubow** as secretary...**Judith Schott**, Development associate, left the Museum to travel in Europe.

EDUCATION: **Catherine M. Pessino**, assistant chairwoman, will retire at the end of August after 38 years in the department. She

helped plan and steered the Louis Calder Laboratory and the Alexander M. White Natural Science Center. One of her last major contributions will be lectures on the Discovery Tour to the Galapagos Islands this summer...**Malcolm J. Arth**, chairman, went to Sweden in June to help plan an international conference on "Museums and Indigenous Peoples" for next year. In July, he was a Senior Museum Associate for the Museum Management Institute at the University of California, Berkeley. Dr. Arth went to Wellington, New Zealand, in August, to deliver the keynote address at the Conference of Museum Educators of New Zealand and Australia.

ENTOMOLOGY: **Randall T. Schuh**, chairman and curator, spent March and April in Mexico and Southern California collecting plant bug specimens...**Gail Motyka** joined the department as scientific assistant.

EXHIBITION AND GRAPHICS: **Joseph M. Sedacca**, manager for graphics, helped judge school posters for the "I Love New York" poster celebration sponsored by the Bowery Savings Bank...**Juan Barberis**, principal artist, retired in June.

GENERAL ACCOUNTING: **Nancy Lau** is the new assistant manager.

GUEST SERVICES: Joining as secretary is **Roya Abhari**.

HERPETOLOGY: **Charles J. Cole**, curator, is spending the summer in the southwestern United States and Mexico doing research on unisexual lizards, assisted at times by **Carol R. Townsend**, senior scientific assistant, and **Francisco Soberon**, a student from Mexico who is participating in the Undergraduate/Graduate Research Program.

ICHTHYOLOGY: **Jeanne Forster** was promoted to senior secretary.

LIBRARY SERVICES: The United States Department of Education granted the Library \$145,739 which will be used to catalog and preserve the Library's Film Collection. Another grant of \$9,000 by the New York State Library will be used to preserve photographs of the Jesup Expeditions to Siberia in the late 19th century...**Nina J. Root**, chairwoman, was named to the Finance Committee of the American Institute of Aeronautics and Astronautics...Three new part-time Library assistants are: **Helen Acosta, Sonja Cooper and Gustavo Insignares**...The new senior secretary is **Rocco Spataro**...**William Byrne** is the new film project assistant...**Lucy Shih**, senior clerk, is back after a short leave for minor foot surgery.

MAINTENANCE: **James Bergin, Jean Archin, Laicklall Nandlall, and Michael Carnegie** joined as Museum maintainers...The new Museum attendant guards for Maintenance are **Michael Eiseman and Lawrence Jenzen**...**Alice James-Foyah** was promoted from secretary in Building Services to senior secretary in Maintenance.

MICROPALEONTOLOGY PRESS: **Jennifer Shavzin**, Museum technician, gave birth to her first child, a girl named Pearl, on July 2.

MUSEUM SHOP: Joining as part-time sales assistants are **Margaret Fasullo and Elizabeth Beaubrun**...The new part-time supervisor is **William Peaks**.

NATURAL HISTORY MAGAZINE: **Robert DeAngelis** was promoted from part-time publications assistant to full-time publications assistant...**Peter Zelaya** is the new part-time membership desk assistant.

ORNITHOLOGY: **Lester L. Short**, chairman, and **Jennifer Horne**, research associate, presented a paper on their African honeyguide studies at a joint Cooper-Wilson Ornithological Society meeting in Boulder, Colo., in June...**Lois Heilbrun and Richard Sloss** have been appointed associates.

PLANETARIUM: **Anne Palaszewski** is the new assistant manager of the Planetarium Shop...**Susanne Stallings** joined as secretary.

PUBLIC ADMISSIONS: **Richard Ross** was promoted from part-time assistant manager to full-time assistant manager.

VERTEBRATE PALEONTOLOGY: The new secretary is **Jill Harvey**.

VOLUNTEER OFFICE: **Sheila Greenberg**, assistant volunteer manager for the Museum Highlights Tour Program, was in Baltimore in June to train docents at the Baltimore Museum of Art in "Silk Roads/China Ships" which is now on exhibition at that museum.

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Grapevine

REFERENCE

DOES NOT CIRCULATE



American
Museum of
Natural
History

SEPTEMBER/OCTOBER 1985

VOL. 42, NO. 5

AMERICAN MUSEUM TO PUBLISH VOLUME ON NORTHWEST COAST INDIAN ART

The American Museum will publish an illustrated volume on its Northwest Coast Indian collection.

The Museum's collection, assembled by Franz Boas and other Museum anthropologists studying the Indians along the northwest coast of British Columbia at the turn of the century, is considered by scholars to be the greatest in the world.

The book will focus on the reasons the Museum made this peerless collection and its significance.

The book will be authored by Aldona Jonaitis, associate provost and associate professor of art history at the State University of New York, Stony Brook. Dr. Jonaitis is also a research associate in the Museum's Department of Anthropology and a recognized authority on Northwest Coast Indian art.

Funding for the project is provided in part by a grant from the National Endowment for the Humanities.

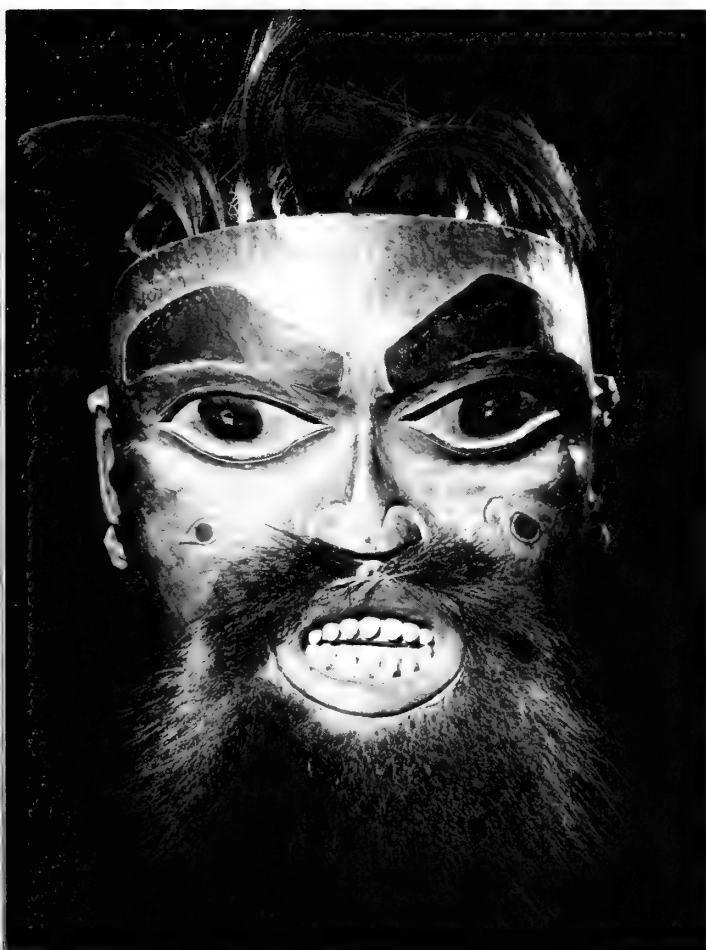
A large portion of the grant is designated for color photography of the most beautiful and significant pieces in the collection. Pho-

tographer Steve Meyers, a well known photographer of fine art, was selected for the project. Mr. Meyers' work also appears on the cover of the Kellogg's Corn Flakes cereal box.

Because of the extreme rarity and fragility of the pieces he was photographing, Mr. Meyers had to set up his studio in one of the high-security storage areas on the Museum's fourth floor. Due to stringent conservation requirements, he had to invent a number of special mounts for the pieces. Some of the larger pieces, measuring six feet in height, presented special challenges. He began shooting in June and finished in late August.

In addition to Mr. Meyer's photographs, the book will be illustrated with rare archival pictures of the Northwest Coast Indians and their villages taken in the 1880s.

The end result will be a book of scholarly and popular interest that will provide the reader with an unusual glimpse of the Museum's extraordinary Northwest Coast Indian collection.



Two shaman's masks from the Museum's collection of Northwest Coast Indian artifacts.



Research Associate Cheryl F. Harding observes the behavior of two zebra finches in the Museum's aviary.

TWO RESEARCH ASSOCIATES AWARDED MAJOR GRANTS

Two research associates in the Department of Ornithology have been awarded major grants to conduct their work.

Cheryl F. Harding will receive \$271,968 over a five-year period from the National Institute of Mental Health. Jared Diamond is one of 25 recipients of the MacArthur Foundation Awards. This honor confers upon Dr. Diamond \$230,000 over a five-year period.

Dr. Harding's studies involve examining the relationship of hormones and behavior. At the Museum, she observes the aggressive, territorial, singing and courtship behaviors of male Australian zebra finches to determine how they are affected by the hormone levels.

She and a team of technicians and graduate students maintain a population of some 300 birds in the Museum's aviary. Thirty to 40 pairs are used as breeding stock; the social behaviors of the remainder are observed in controlled environments.

"Our most exciting finding," she said, "is that male zebra fin-

ches have a higher average level of female hormones in their bloodstreams than almost any other animal."

Dr. Harding is a professor of psychology at Hunter College, an adjunct professor of neuroendocrinology at Rockefeller University and a graduate professor of psychology at the City University of New York.

By profession, Dr. Diamond is a physiologist. His avocation, however, is the study of island biogeography as exemplified by birds in the southwestern Pacific.

He has done considerable research on bower-birds and on the "self-expression" males exercise when building their elaborate courtship structures. In 1981, he rediscovered the yellow-fronted gardiner bower-bird, a species not seen since 1895, in a remote mountain range in New Guinea.

Dr. Diamond has been visiting that region for three months every other year since 1964. The Museum collections play an important role in his work. The MacArthur Award will enable him to continue his biogeographical studies.

Dr. Diamond is a professor of physiology at the University of California Center for Health Services in Los Angeles.

FORT LEE MAYOR MEETS A HOMETOWN RESIDENT

Nicholas Corbiscello, the mayor of Fort Lee, was introduced to a former resident of his hometown during a recent visit to the American Museum.

While on a tour of the Hall of Early Dinosaurs led by Volunteer Employee Pat Kinney, the mayor was shown the Fort Lee Phytosaur.

Ms. Kinney, who was born and raised in Fort Lee, thought he would be interested in seeing the remains of the reptile that roamed their hometown 200 million years ago.

The 20-foot-long phytosaurs looked like crocodiles, but became extinct just as the crocodile began to evolve.

The Museum's phytosaur was discovered in 1910 by three geology students from Columbia University. While on a field trip to the New Jersey side of the Hudson River, they noticed some unusual rocks in a slab of sandstone along the river bank at Fort Lee.

Bringing samples of the rocks back to their laboratory, the students determined that they were part of the remains of a prehistoric animal. They immediately notified members of the scientific staff of the American Museum, which excavated the phytosaur from the river bank.



Pat Kinney introduces Mayor Corbiscello to a former Fort Lee resident.

**MUSEUM EDUCATOR CATHERINE PESSINO
RETIRES**

Assistant Chairwoman Catherine M. Pessino, who joined the Department of Education in 1946 as an information desk hostess, retired in September.

Ms. Pessino said she is now available for "bird watching, cocktails, reading, beachcombing, other leisurely pursuits—and occasionally, work."

Ms. Pessino is a naturalist who was born and raised in New York City. In the course of her work at the Museum, she has designed science kits for schools, chaired the Great Gull Island Committee and authored numerous magazine articles and a book. Most recently, she led a Discovery Tour to the Galapagos Islands.

In 1971, Ms. Pessino received the Elsie B. Naumberg Award from the Natural Science for Youth Foundation in recognition of her contributions to natural science education.

In 1974, her plans for an imaginative interpretive facility in which children could become better acquainted with urban wildlife were realized with the opening of the Alexander M. White Natural Science Center.

Ms. Pessino majored in biology at Hunter College and recalls having been interested in natural history from an early age. At one time she considered pursuing research in ornithology, but ultimately came to the realization that she preferred to work with people.

"I'm especially interested in showing children what is around them, and in helping them to understand the natural world," she said.



Catherine M. Pessino.

Department of Education Chairman Malcolm J. Arth said that Ms. Pessino "admirably" achieved this goal.

"Catherine helped significantly to shape and guide the department during a period of dynamic growth and change," he said.

Kenneth A. Chambers, coordinator for adult programs, has succeeded Ms. Pessino as assistant chairman; Marcia White-Wise, coordinator for African-American programming, has been appointed to the newly created position of manager of teaching programs.

TENNIS ANYONE?



Members of tennis team in the Hall of Reptiles and Amphibians.

The American Museum's Hall of Reptiles and Amphibians is the last place one would expect to see someone carrying a tennis racket. However, five young tennis players from the Peoples Republic of China refused to part with their gear during a recent visit to the American Museum.

The athletes, currently training for China's Olympic tennis team, were in the United States as guests of People to Peo-

ple Sports, a non-profit organization established by the United States Government in 1956 to promote better international relations through athletics.

The visit to the Museum was part of a two-day sightseeing tour in the Big Apple. Other stops on the itinerary included the Statue of Liberty and Chinatown.



Mrs. Alexander M. White

MUSEUM MOURNS THE PASSING OF MRS. ALEXANDER M. WHITE

Mary Evelyn Lanman White, wife of the former American Museum President Alexander M. White, died at her home in Oyster Bay, Long Island on Sunday, Sept. 15.

Mrs. White played an active role in Museum affairs. Upon her husband's death in November of 1968, she made the decision to direct funds given in his memory to the Natural Science Center. The \$270,545 she raised in this manner funded the redesign and rebuilding of the facility, which was renamed the Alexander M. White Natural Science Center. The first of the units completed in what is now the Charles A. Dana Education Wing, the center is designed to provide urban children with a better understanding of the natural and man-made elements that make up the environment of New York City.

Mrs. White was an active participant in the Staff Wives Association. With her daughters, she served as a member of the Women's Committee.

The Whites were married in 1930. Mr. White, a senior partner in the investment banking firm of White, Weld and Company, was elected to the Museum's Board of Trustees in 1947, and in 1951 was appointed the sixth president of the institution. He held the office until one month before his death.

Mrs. White is survived by three children, Sheila Blake English, Alexander M. White, Jr., and Elinor W. Montgomery.

HERE AND THERE

ANTHROPOLOGY: David Hurst Thomas, curator, and Lori Pendelton, material culture analyst, were married on Aug. 25... Kathy Barlow is the new Lounsbury Fellow... Laurel Kendall, assistant curator, has written a book entitled "Shamans, Housewives and Other Restless Spirits: Women in Korean Ritual Life," published by the University of Hawaii Press... "Ancestors: The Hard Evidence," a collection of the papers presented during one of the symposia held in conjunction with the Museum's "Ancestors" exhibition, has been published. Contributing to the book were Ian M. Tattersall, curator, Harry L. Shapiro, curator emeritus and Eric Delson, research associate in Vertebrate Paleontology.

BUILDING SERVICES: Seven new Museum attendant guards are Chrisendat Bhim, Harold Dolphin, Robert Halloran, Karen Morris, Eumelia Rojo, Yvette Santana and Paul Simmons... joining as assistant manager is Erin O'Reilly... The new secretary is Agnes Yuan.

CONSTRUCTION: Thomas Brady has joined as assistant Museum maintainer... Edward Fox, Otis Hughes, Melvin Patterson, Otakar Sramek and Jose Vasquez joined as Museum maintainers.

DEVELOPMENT AND PUBLIC AFFAIRS: The new Development associate is Jamie Kyte... Mitzi Bhavnani, manager for Volunteers and Information Desk Services, will be a panelist at the Mid Atlantic Association of Museums meeting on corporate volunteerism to be held in New Haven on Oct. 23... Connie Puswald, senior secretary in Public Affairs, was promoted to Public Affairs assistant.

EDUCATION: Marcia White-Wise was promoted from coordinator of Afro-American programming to manager of Teaching Programs... Kenneth A. Chambers was promoted from supervisor of Adult Programs to assistant chairman... Ismael Calderon has been appointed coordinator of Community Programs... Nancy Tongue and Frances Smith joined as Museum instructors.

EXHIBITION AND GRAPHICS: Gerhard Schlanzy and Laurison Marshall have joined as principal preparators... Lynn Winter was promoted from principal artist to senior principal artist in Graphics.

GENERAL ACCOUNTING: Patience Adams was promoted from clerk to senior clerk... The new accounting clerk is Carole Antoine.

GENERAL SERVICES: Richard Sheridan was promoted from assistant manager to manager... Olivia Bauer was promoted from photographer to assistant manager.

HERPETOLOGY: Monika Kerschus was promoted from curatorial assistant III to Museum technician.

ICHTHYOLOGY: Joining as curatorial fellow is Michael Smith... Lori Bae is the new secretary... Jeanne Forster was promoted from secretary to senior secretary.

INVERTEBRATES: The new curatorial assistant III is Amy Adelson.

LIBRARY SERVICES: Two new part-time Library assistants are Jose Diaz and Katherine Mitchell.

MAINTENANCE: Joining the department as senior secretary is Rosa Guim... Lionel Hohn is the new assistant Museum maintainer... The new Museum attendant guard is Dennis Kelly... Vitaliano Viaje was promoted from Museum attendant guard to senior Museum attendant guard.

MICROPALEONTOLOGY PRESS: Rebecca Holtzman and Adam LeGrant have joined as Museum technicians... The new part-time assistant is Gregory Dinkins.

MINERAL SCIENCES: Steve Okulewicz has joined the staff as part-time curatorial assistant.

MUSEUM SHOP: Gary Morgan was promoted from part-time sales assistant to full-time sales assistant... Twelve new part-time sales assistants are Abraham Baker, Elizabeth Beaubrun, Li-Chen Chang, Gladys Garcia, Elsie Gutierrez, Caroline Meyers, Nicholas Milatos, Marlon Murillo, Christine Rodden, Vivian Roston, Ruben Vera and William Garcia.

NATURAL HISTORY MAGAZINE: The new assistant to the designer is Iromie Weeramantry... Lawrence Hoffer has joined as assistant fulfillment manager... Joining as senior secretary is Jamie Epstein... The new part-time Membership Desk assistant is Gail Mazin.

ORNITHOLOGY: Ruth DeLynn, a volunteer for 16 years, has been appointed associate.

PLANETARIUM: Mark Lerner is the new part-time sales assistant... Janelle Castello is the new secretary.

PRESIDENT'S OFFICE: The new administrative secretary and assistant executive secretary is Janet Shipley.

PUBLIC ADMISSIONS: Samuel Whitehead is the new part-time cash analyst.

VERTEBRATE PALEONTOLOGY: Katherine Krulik was promoted from scientific assistant to senior scientific assistant... Otto Simonis, preparator, retired after 32 years of service... News was received that Rachel Nichols, a cataloger of the Department's collections and custodian of the Osborn Library, died on April 18. Ms. Nichols's Museum career began in 1925 and she remained here until her retirement 35 years later.

Grapevine

LIBRARY



American
Museum of
Natural
History

FEB 3 1985

A. M. N. H.

VOL. 42, NO. 6

NOVEMBER/DECEMBER 1985

ORIGAMI HOLIDAY TREE HERALDS HOLIDAY SEASON

The 13th annual lighting of the American Museum's Origami Holiday Tree, an Arthur Ross Exhibit of the Month, took place on Nov. 25, in the Theodore Roosevelt Hall. The tree was lit by Mrs. Janet Ross, wife of Museum Trustee Arthur Ross.

The 25-foot tree is decorated with more than 3,000 paperfolded ornaments and crowned with a 25-foot mobile representing the sun, stars and a comet.

More than 50 Museum volunteers contributed several thousand hours folding decorations for the tree. They are also responsible for the storage and organization of the decorations when the tree is taken down.

Origami, the international art of paperfolding, originated in China

emerita in the Department of Entomology.

Some 25 years ago, Miss Gray's interest in insects prompted her to purchase an origami book which featured a cicada on the cover. She learned to fold grasshoppers, praying mantises and butterflies, and used them as decorations on a four-foot holiday tree in her office. Miss Gray was asked by Mrs. Constantine Sidamon-Eristoff, Museum trustee, to turn her four-foot office tree into a 25-foot tree for the general public.

Michael Shall, the Museum's volunteer origami specialist, believes the Museum tree was the first of its kind to be mounted on such a grand scale.

"There now have been origami holiday trees at the White House, the Smithsonian Institution, the Buffalo Science Museum, and in several other cities," he said, "all modeled after this one."

According to Mr. Shall, origami is the perfect holiday activity. "The whole point of origami is sharing," he said. "Volunteers teach each other how to fold different figures, and their reward is doubled when they spot ornaments they've made providing enjoyment for others."

The tree will remain on view as a symbol of the holiday spirit through Jan. 6.

CHILDREN'S CHRISTMAS PARTY

The Museum's annual Christmas Party for the children of Museum employees was held on Dec. 18.

The fun began with a storytelling program in the Main Auditorium by Marjorie Brown and the Storytellers. After that, everyone went to the Hall of Ocean Life to feast on hot dogs, cake, ice cream and milk. The children had the opportunity to tell Santa how well behaved they had been and received presents from him.

Photos of the children will appear in the next issue of *Grapevine*.

VOLUNTEERS CITED BY MAYOR FOR ORIGAMI EFFORTS

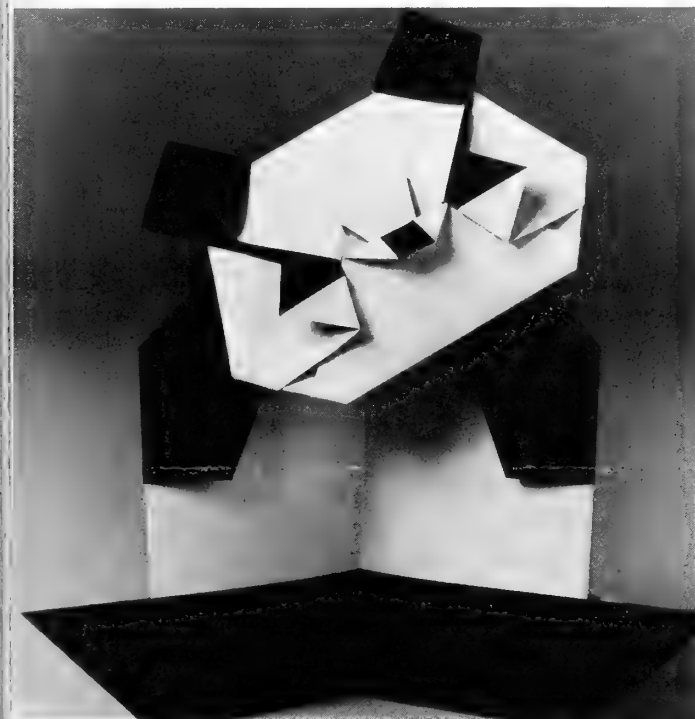
Mayor Edward I. Koch hosted a special ceremony at City Hall in which he presented a Mayor's 1985 Volunteer Service Award for the outstanding work of those who helped provide the decorations for the Museum's Origami Holiday Tree.

Representing the Museum volunteers at the ceremony were Mitzi Bhavnani, manager of Volunteer Services, Alice Gray and Michael Shall.

The Mayor's Volunteer Service Awards, first presented in 1969, honor men and women of the city for their exceptional service to their fellow New Yorkers. Volunteerism has become a way of life in New York City, and the awards are the Mayor's way of saying "thank you" to volunteers.

The Museum's volunteer employees spent a total of 98,077 hours working here during the 1984-85 fiscal year.

This is the second award presented to Museum volunteers this year. In May, volunteers working with the Department of Ornithology on the Great Gull Island Project received a citation from President Ronald Reagan through the President's Volunteer Action Awards Program.



This friendly looking paperfolded panda is one of the adornments on the Origami Tree lit by Mrs. Ross.

with the invention of paper, and quickly spread to Japan and other parts of the world.

At first, paperfolded items had practical uses -- spice holders, fans for temple fires, or scoops for temple ashes. Later, as paper became less costly, the art was applied to more frivolous pursuits.

Today there are origami societies all over the world. Chief among them is the Friends of the Origami Center of America, headquartered at the Museum and presided over by Alice Gray, scientific assistant

SOUTHWESTERN RESEARCH STATION OBSERVES ITS 30th ANNIVERSARY



During the party marking the 30th anniversary of the SWRS, Wade C. Sherbrooke, assistant resident director, center, chats with Willis J. Gertsch, curator emeritus in the Department of Entomology, and Kay Muma, wife of Martin Muma, a former research associate in Entomology.

A party marked the 30th anniversary of the Museum's Southwestern Research Station in Portal, Arizona.

Participating in the festivities were Jerome G. Rozen, Jr., deputy director for research; Vincent D. Roth, resident director of the Station, and Wade C. Sherbrooke, who had recently joined the Station as assistant resident director.

"Because of the richness of the biota of the area, the Southwestern Research Station has contributed substantially to our understanding of the behavior, ecology and diversity of animals of the desert region in its 30-year history," Dr. Rozen said.

The Station, the farthest research outpost the Museum has, enables scientists to conduct their investigations in a natural environment as well as in laboratories. They come from all over the United States and from other parts of the world to carry out studies in entomology, herpetology, ornithology and mammalogy, among others.

Among research topics, are the biology of desert frogs, colony patrolling systems in harvester ants, communication and social organization of Kangaroo rats, nesting behavior and ecological preferences of solitary and cuckoo bees, the territorial and aggressive behavior of hummingbirds, and genetics and origin of unisexual lizards.

The property that now comprises the Southwestern Research Station was purchased in 1955 by the Museum with money generously donated by David Rockefeller. Mont A. Cazier, curator emeritus in the Department of Entomology, was its first resident director.

While celebrating the Research Station's 30th anniversary, the guests took the opportunity to welcome Mr. Sherbrooke to the Station. Mr. Sherbrooke conducts research on horned lizards.

A GOLDEN ANNIVERSARY CELEBRATION AT THE PLANETARIUM



Mayor Edward I. Koch had Robert G. Goelet (center) and Jeffrey Hoffman, a New York City-born astronaut, laughing at a humorous remark he made in his talk during the celebration of the American Museum-Hayden Planetarium's Golden Anniversary. The ceremony took place on Oct. 7. Science fiction writer Isaac Asimov, and school children, who were given golden balloons, also attended. During the past five decades the Planetarium has been visited by more than

25 million people, earning its reputation as one of the world's leading planetariums and one of New York City's major cultural and educational attractions. The Planetarium will hold a series of activities during its 50th Anniversary Year (October, 1985-October, 1986). The current Sky Show, "Hayden: The Golden Years" and an exhibition entitled "Hayden: 50 Years Ago," commemorate Oct. 3, 1935, the day the Planetarium's doors opened to the public.

PRINCE VISITS AMERICAN MUSEUM



Jerome G. Rozen, Jr., deputy director for research, left, and Sheila Greenberg, assistant volunteer manager for the Museum Highlights Tour Program, far right, escorted His Royal Highness Prince Naruhito of Japan, center front, on a special highlights tour of the Museum on Saturday, Oct. 19. They were accompanied by an entourage of some 50 Japanese dignitaries, press representatives and security per-

sonnel. Here, the group is passing through the Hall of Late Mammals. One of their principal stops was the diorama of birds from Japan in the Hall of Birds of the World which was dedicated by the Prince's father in 1971. Prince Naruhito, grandson of Emperor Hirohito, was returning to Japan after completing several years of graduate study in medieval history at Oxford University.

MUSEUM TO MOUNT MAJOR EXHIBITION OF PALEOLITHIC ARTIFACTS

The Museum, in association with the Musée des Antiquités Nationales and the Musée de l'Homme in France, is negotiating to bring together the widest array of original Paleolithic artifacts ever assembled for study and display.

The ancient paintings, etchings, sculptures and tools, drawn from institutions and lenders in Europe and North America, are scheduled to arrive next October. A significant number of specimens from the American Museum of Natural History will also be included in the exhibition.

This will be the first time an original late Paleolithic collection of such scope has ever been assembled under one roof. The artifacts, which date back 10,000 to 35,000 years, will be the subject of a special symposium expected to draw an international group of scholars. The collection will be on public view in Gallery 3 through January, 1987, when it may begin traveling to other museums throughout the United States.

Ian M. Tattersall, curator in the Department of Anthropology, is the project director of the exhibition. The guest curator is Randall White, assistant professor in the Department of Anthropology at New York University.

An examination of original Ice Age artifacts is a logical sequel to the Museum's landmark exhibition, "Ancestors: Four Million Years of Humanity," which was shown between April and September, 1984.

"Ancestors" presented the hard evidence documenting the early physical development of humans," said Dr. Tattersall.

"This new exhibition will present the hard evidence documenting the emergence of culture in terms of strategies for survival, social structure and expression, world view, artistic achievement, and the

technological advances of the first modern peoples."

The exhibition is being designed by Ralph Appelbaum Associates. A catalog to accompany the exhibition is planned.

SOUTHWESTERN RESEARCH STATION WELCOMES VISITS BY MUSEUM EMPLOYEES

Are you planning a vacation out West? If you are, you may want to consider a trip to the Museum's Southwestern Research Station. You are welcome to visit and receive a 25 percent discount off naturalists' rates for room and board.

Museum employees, volunteers, and their immediate families are accommodated from mid-March through October, depending upon the availability of rooms. There are private rooms large enough for an entire family, as well as "bachelor" quarters. Breakfast, lunch and dinner are included in the cost.

Visitors to the Research Station can tour the laboratories.

The Station's surroundings offer the visitor an opportunity for bird-watching, hiking and sightseeing along beautiful scenic trails. Visitors can drive to the neighboring mountains which are easily accessible. A 60-foot pool is available for swimming.

About a half-hour's drive from the Station is the ghost town of Paradise. Western dances are often held in the town of Rodeo, New Mexico, also about a 30-minute drive from the Station.

Advance reservations are required. If you plan to visit, write to the Resident Director at the Southwestern Research Station, Portal, Arizona, 85632. Brochures and fee information are available in the office of Jerome G. Rozen, Jr.



Jean Theodore Delacour

JEAN DELACOUR DIES IN CALIFORNIA

Jean Theodore Delacour, an internationally known ornithologist and a research associate in the Museum's Department of Ornithology, died on Nov. 5. He was 95.

Dr. Delacour was a leading aviculturist and a highly respected ornithologist. He authored and coauthored many articles and books that contributed immensely to fund of knowledge in ornithology.

A graduate of the University of Paris, Dr. Delacour joined the Museum in 1941. He worked with the Smithsonian Institution as a collaborator on a fish and wildlife studies project. He was also a technical advisor to the New York Zoological Society and served in that capacity until 1947.

In 1922, Dr. Delacour and T. Gilbert Pearson, who was then president of the National Audubon Society, founded the International Council for Bird Preservation (I.C.B.P.). The Council sponsors and coordinates bird preservation on an international scale. Dr. Delacour served as its president during its first decades, and later became president emeritus. In 1970, the I.C.B.P. honored Dr. Delacour by establishing a medal in his name.

Dr. Delacour had set up two private zoos in France that were destroyed during the two World Wars. A rebuilt zoo now stands in Clères, France, Dr. Delacour's hometown.

Dr. Delacour lived in Los Angeles where he served as director of the Los Angeles County Museum from 1952 until his retirement in 1960. He often worked at the American Museum between trips from California to Clères.

HERE AND THERE

BUILDING SERVICES: John Banuchi, Aida Molina and Karen Johnson are the new Museum attendant guards...Nilda Borroto was promoted from Museum attendant guard to senior Museum attendant guard.

DEVELOPMENT AND PUBLIC AFFAIRS: Joining as senior secretary for Guest Services is Laura Macnow...Iris Seltzer is the new senior secretary in Public Affairs.

EDUCATION: Ismael Calderon was promoted from coordinator of Caribbean Programs to coordinator of Community Programs. Keith Brown is the assistant to the community programs coordinator...A new Museum instructor is Mary Jeanne Shaughnessy...Also joining are Ali Taylor as part-time Science Center assistant and Robert Whitehill as part-time weekend supervisor. In October, Malcolm Arth, chairman, attended a meeting in Stockholm to plan a 1986 UNESCO conference on museums and indigenous peoples. He has also been invited to participate in the conference which will take place in June.

ENTOMOLOGY: Gary Stonedahl joined as part-time curatorial assistant.

EXHIBITION AND GRAPHICS: Joining Graphics as principal artist is Oscar Peterson. In Exhibition, Joyce Cloughly, Leslie Gerhauser and Arlene Jangaard were promoted from intern preparators to preparators. Stephen C. Quinn, senior principal preparator-artist led the Museum's Discovery Tour to East Africa. Along with observing mountain gorillas in Rwanda, the tour participants sighted 56 species of mammals and over 400 species of birds.

GENERAL ACCOUNTING: Neena Parikh, clerk, has returned from maternity/child care leave.

GENERAL SERVICES: The new photographer in the Photography Studio is Philip Hollembeak.

HERPETOLOGY: Colleen Coogan was promoted from part-time curatorial assistant to full-time curatorial assistant III.

ICHTHYOLOGY: Joining as scientific illustrator is Denise Takahashi.

MAINTENANCE: Three new Museum attendant guards are Aida Gonzalez, Joseph Scaglione and Anthony Sylvester.

MAMMALOLOGY: Joining as part-time curatorial research intern is Mary Holden.

MINERAL SCIENCES: Ruth Lindsley joined the Department as scientific assistant.

MUSEUM SHOP: New part-time sales assistants are Jose Rodriguez and Christian Seyster...Robert Bourguignon is the new part-time cash analyst.

NATURAL HISTORY MAGAZINE: Joining the staff are Neil Barrett as part-time publications assistant, Colleen Mehegan as manager of Special Publications, and Sally Schwartz as senior secretary.

ORNITHOLOGY: Christine Blake was promoted from Museum attendant guard in Maintenance to Museum technician.

PURCHASING: Joining as senior secretary is Luis Gutierrez.

DEDICATED VOLUNTEER RETIRES AFTER 14 YEARS OF SERVICE

After 14 years of dedicated service, Ruth E. DeLynn, associate in the Department of Ornithology, retired in September.

Mrs. DeLynn began her career at the American Museum as a volunteer in the Department of Education, where she prepared exhibits for the traveling exhibition service provided by the Museum to New York City schools.

In 1974, she became a volunteer in the Department of Ornithology, where she used her training in taxidermy to repair and refurbish specimens.

By 1976, she had begun curatorial work in the anatomical collection with Walter J. Bock, research associate, and later, with George F. Barrowclough, assistant curator. She was appointed to the position of associate in 1980.

Mrs. DeLynn now lives in Florida, where she has become a volunteer at the Mote Marine Lab in Sarasota.

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American
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JANUARY/FEBRUARY 1986

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VOL. 43, NO. 1

HALL OF NORTH AMERICAN MAMMALS GETS "SPRUCED UP"

It's a peaceful site -- Raymond de Lucia, consultant in the Museum's Department of Exhibition and Graphics, kneels beside a running stream on the slopes of Wildcat Mountain in New Hampshire, while a porcupine climbs a black spruce less than four feet from him.

The spray gun in Mr. de Lucia's hand gives away the fact that he is not on some field trip in New England. For more than two years, he has participated in refurbishing work on the dioramas of the Museum's Hall of North American Mammals.

The project, which was started in 1982, will be completed in 1987, when each of the hall's dioramas will have been refurbished.

Mr. de Lucia, who retired from the Museum in 1980, was involved in collecting materials for many of the hall's displays when it was being constructed in 1938. Since he is familiar with the dioramas, he was hired by the Exhibition Department as a consultant.

He is being assisted in his efforts by David Schwendeman, senior principal preparator in Exhibition, and Joseph Donato and Martin Daly, electricians in the Construction Department.

Dust seems to be the biggest enemy of the dioramas.

"The dust gets everywhere," Mr. de Lucia explained. "One sure way to spot it is to check the glass eyes of the animals in the display. They



Raymond de Lucia at work in the Hall of North American Mammals.

get dull and look dirty."

While Mr. Schwendeman takes care of cleaning the animals, Mr. de Lucia carefully removes the dust in the foreground material by washing with a detergent solution applied with a spray gun.

Some of the materials originally used to reproduce vegetation have aged. Twisted and curled leaves must be replaced, using newer methods and materials now available.

The habitat group which presented Mr. de Lucia with the greatest challenge was that of the Canada Lynx.

"The 'snow' in the case had become yellow and dirty from ultraviolet light rays and dust," he explained. "All of the old material had to be taken out, and we had to create a new thick coat of snow using cotton and shaved acrylic."

Mr. de Lucia said that one result of the refurbishing project is that some of the dioramas actually look better now than when the hall first opened.

A. M. N. H. EXPLORER'S GRANDDAUGHTER DISCOVERS THE AMERICAN MUSEUM



Sarah Applebee, right, granddaughter of the renowned Museum expedition leader Roy Chapman Andrews, recently embarked on a special expedition of her own. Ms. Applebee, a resident of Pottsboro, Texas, had never visited the American Museum. During a trip to New York City, she decided to stop in and see one of her grandfather's greatest finds -- the Protoceratops eggs found by Andrews during the Museum's 1923 Central Asiatic Expedition. Accompanying Ms. Applebee to the Hall of Early Dinosaurs, where the eggs are on view, is assistant volunteer manager Sheila Greenberg. The eggs are visible in the center and lower left corner.

AWARD RECOGNIZES EFFORTS TO BRING ANTHROPOLOGY TO THE PUBLIC

Helen E. Fisher, associate in the Department of Anthropology, received the American Anthropological Association's Distinguished Service Award on Dec. 7. The award was given to Dr. Fisher in recognition of her efforts to introduce anthropology to the public and to apply anthropological principles to business and government.

Dr. Fisher's research focuses on the origin of human sexual behavior, the family, and patterns of sexuality and birth. Countries researched include Finland, Venezuela, the United States, Russia, Czechoslovakia, Greenland, South Africa, Germany, Samoa and England.

"I'm most concerned about cross-cultural similarities, rather than differences," she said. "The countries I have studied are so diverse -- Catholic and Moslem, rich and poor, large and small, communist, socialist and democratic. Yet, they demonstrate universal patterns of bonding, birth and attachment."

Dr. Fisher's conclusions about divorce are most revealing. She has discovered that if they separate, most couples do so after four years of marriage, when a woman is between 25 and 29 years of age, having borne a statistical 1.1 children.

Dr. Fisher feels that her research findings may help address such contemporary issues as day care, family planning, family stability and the impact of women in the workplace. As an active member of the National Association for the Practice of Anthropology, she encourages

(Continued on page 4)

A MERRY TIME AT CHILDREN'S CHRISTMAS PARTY

There was plenty of holiday joy for everyone at the annual Children's Christmas Party given by the Museum on Dec. 18.

The bright eyes and happy smiles of some 400 children lit up the Main Auditorium as they listened to stories by Marjorie Brown and the Storytellers. The festive mood continued on into the Hall of Ocean Life where the holiday menu included hot dogs, cake, ice-cream, soda pop and milk.

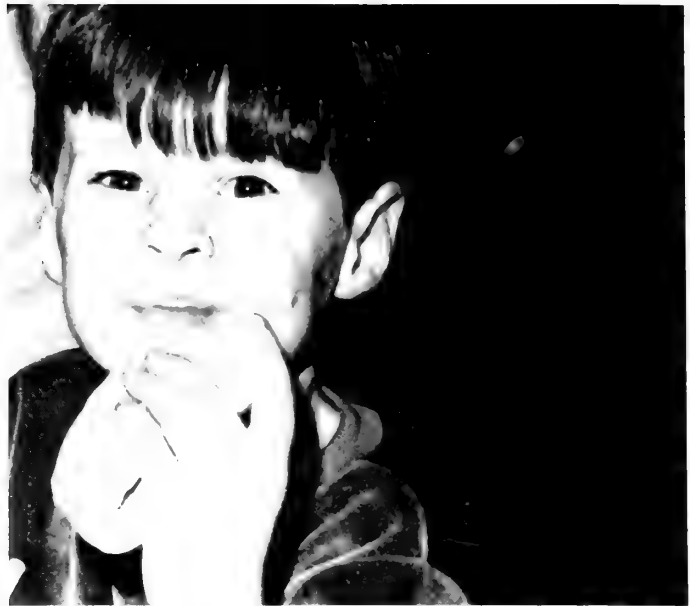
Santa was there, too, handing out presents to the children who all attested to the fact that they had been well-behaved throughout the year.



"This stuff's finger-lickin' good!" is what Omar Morales, 6, seems to be saying. He's the son of Vincent Morales, senior principal artist in Graphics



Annemarie Grace Brady, 5 months, wears a pretty festive bow and is ready to party. She is the daughter of Thomas G. Brady, maintainer in the Metal Shop



Enjoying his hot dog is Jimmy Houghton, 5, son of Richard Houghton, Discovery Tours associate



The Storytellers have 3-year-old Jessica Ranocchia enraptured. She is the granddaughter of Julio A. Correa, assistant manager in Construction.



Seems Santa knew just what to get Jonathan Calderon, 3, son of Ismael Calderon, Community Programs coordinator in Education



Patrick Iversen, 2, needs both hands to hold on to his hot dog. He is the nephew of Margaret Fretz, part-time Information Desk supervisor in the Volunteer Office



A very helpful Marisa Antoine, 5, gives out cake. She is the daughter of Carole Antoine, a clerk in General Accounting



Sharing a tender moment are the children of Sankar Gokool, assistant manager in Building Services - they are: Sharon, 10, Sunita, 5 months, and Sunil, 2



The wonder of Christmas shows in the face of Crystal Lee Singh, 3, granddaughter of Samdaye Singh, senior attendant guard in Building Services



Cake seems to be the favorite food of 6-year-old Tanya Rivera, the niece of Luis Samot, a clerk in the Library.



Asma Shadab, 10 months, gets a bit of help with her ice cream. Her father is Mohammad U. Shadab, senior scientific assistant in Entomology

the practical application of anthropological thought to everyday life.

Dr. Fisher has several popular forums in which to operate. She is a regular commentator for WNBC-TV's Today Show, an active speaker on the college lecture circuit, and is the author of the 1982 book, "The Sex Contract: The Evolution of Human Behavior."

Dr. Fisher was a consultant for the Museum's 1981 special exhibition, "Bird, Cloud and Snake: Hopi Symbols." She continued to maintain close contact with the Museum, and her affiliation with the Department of Anthropology was formalized in February, 1984, when she was appointed an associate.

MUSEUM RADIO SERIES IS A POPULAR FEATURE NATIONALLY

One of the hottest recordings on radio last year was not made by Duran Duran or Bruce Springsteen - it was made by researchers from the American Museum.

The American Museum Radio Series, produced by the Office of Public Affairs, is part of the institution's National Promotion program. The series is designed to increase public awareness of the Museum's role in scientific research, education and exhibition.

It is estimated that some six to ten million listeners heard the 1985 series, distributed by mail on discs and tapes. It is comprised of three-minute conversations on scientific topics between Director Thomas D. Nicholson and Museum staff members.

Last year, the radio series grew at a rapid rate. It was broadcast by more than 600 stations in major markets across the nation and in Canada (an increase of 50 percent over last year), and was expanded into spring and fall formats. In the past, 13 programs were issued during the first half of the year; now 26 programs are provided for airing year-round.

Production is only part of what is required to get the series on the air each year. An intensive marketing effort is undertaken to reach radio stations across the nation.

Response cards are sent with the series to station managers for their comments and suggestions. The cards also provide a method for keeping track of stations that want to continue to receive future programs.

MUSEUM PRESIDENT RECEIVES AWARD

American Museum President Robert G. Goelet is a recipient of the Presidential Recognition Award for Community Service. Mr. Goelet was cited for his outstanding effort to encourage scientific research, quality natural history education, and informative exhibitions.

The Presidential Recognition Award was established in 1982 jointly by New York, New Jersey, Puerto Rico and the Virgin Islands, and by several federal agencies.

The award acknowledges the initiatives of business and community leaders in providing cultural and social services to the public.

Mr. Goelet was nominated for the award by New York State Senator Roy M. Goodman, who is a strong supporter of cultural institutions and the arts. A presentation ceremony is planned for later this year.

HERE AND THERE

ADMISSIONS CONTROL: Jerome Williams was promoted from assistant Personnel manager to Admissions Control manager. . .The new part-time cash analyst is **Rene Corcino**.

ANTHROPOLOGY: Marian Kaminitz is the new assistant objects conservator. . . Ian Tattersall, curator, was in Madagascar, Nov. 4-12, to attend a conference on the Conservation of Natural Resources of that country. . . Laurel Kendall, assistant curator, was in Korea for six weeks last autumn to complete work on a biography of a Korean shaman. . . Nancy Demyttenaere, conservator, left to accept a posi-

tion as conservator for the New York State Historical Collection, Albany. **BUILDING SERVICES:** Elizabeth Clayton was promoted from Museum attendant guard to senior Museum attendant guard. . .Joining as secretary is **Brenda Stephens**.

CONSTRUCTION: The new Museum maintainer is **John Glover**. **CONTROLLER'S OFFICE:** Joining as senior secretary is **Renee Carson**.

DEVELOPMENT AND PUBLIC AFFAIRS: Thomas Lesser was promoted from manager of Public Admissions and Naturemax to manager for Development. . . Linda Claremon, Development associate, left to become the coordinator of corporate giving at the New York Public Library. . .The new part-time telephone supervisor in the Volunteer Office is **Maria Aguilar**.

DIRECTOR'S OFFICE: Zalina Khan was promoted from senior secretary in the Controller's Office to Administrative secretary in the Director's Office.

DISCOVERY TOURS: William Wright is the new senior secretary.

EDUCATION: Elizabeth Hoyt joined as a Museum instructor. . . Cynthia Kinsley is the new senior secretary. . . On Oct. 22 Marcia White-Wise, manager of teaching programs, served as a panelist at a meeting of the New England Museum Association and Mid-Atlantic Association of Museums. She was also awarded a Kellogg Foundation Fellowship and from Jan. 4-10 attended the Kellogg Seminar on museum education programming held at the Field Museum in Chicago. . . On Dec. 13, Malcolm Arth, chairman, attended an advisory board meeting of the J. Paul Getty Trust in Los Angeles to discuss museum management training.

ENTOMOLOGY: Louis Sorkin was promoted from scientific assistant to senior scientific assistant. . . Naomi Himmelhoch is the new secretary.

EXHIBITION AND GRAPHICS: Mark Gostnell joined as senior preparator. . . Four new intern preparators are Alec Madoff, Marisa Recchia, Robert Richardson and Vineta Sylvester. . .The new secretary is Richetta Wilson. . . Michael D. Blakeslee, exhibit designer, accepted a position with the National Geographic Society. . . Robert Bullock has resigned as principal preparator to join an advertising agency as creative director.

HERPETOLOGY: Charles W. Myers, chairman and curator, and Paulo Vanzolini, research associate, participated in the Sao Paulo Museum expedition to Rondonia, Brazil, in October and November. . . Barry Hughes, a senior lecturer at the University of Ghana, is visiting the Department for two months under a Theodore Roosevelt Fellowship. . . Anne Meylan has joined as an associate. . . Charles M. Bogert, curator emeritus, recently spent several weeks vacationing in Australia.

INVERTEBRATES: The new part-time curatorial assistant is Walter Faber. . . Judith E. Winston, assistant curator, and Beverly Heimberg, curatorial assistant, were awarded an Antarctica Service Medal from the National Science Foundation for their valuable contributions to exploration and scientific achievement under the U.S. Antarctic Research Program.

LIBRARY: Susan Brady is the new senior secretary. . .The new part-time Library assistant is L'Tanya Jeter.

MAINTENANCE: Dennis Kelly was promoted from Museum attendant guard to assistant Museum maintainer. . .Joining as new Museum maintainers are Earland Benjamin and George Chritis. . . Rosa Guim, senior secretary, was married on Nov. 24, to Martin Bosniak.

MICROPALEONTOLOGY PRESS: Peter Felknor, editorial assistant, and his wife, Renee, became the parents of Michael Constantine born on Oct. 5, weighting eight pounds and four ounces.

MUSEUM SHOP: Eight new part-time sales assistants are Curtis Abraham, Sherry Caupain, Aletha Day, Christine Erickson, Monique Kaim, Laura Markley, Lisa Siberon and Lisa Triebe.

NATURAL HISTORY MAGAZINE: Kathleen Centola was promoted from editorial assistant to assistant to copy editor. . . Marshall Schwartzman was promoted from secretary to editorial assistant. **PLANETARIUM SHOP:** The new part-time sales assistant is Patricia O'Sullivan.

VERTEBRATE PALEONTOLOGY: Peter Meylan has joined the department as the Carter Fellow. . . Julie Horowitz joined as secretary.

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MARCH/APRIL 1986

A. M. N. H. VOL. 43, NO. 2

NINA J. ROOT AND BRYAN R. JOHNSON AUTHOR NEW BOOK

Nina J. Root, chairwoman of Library Services, and Bryan R. Johnson, acquisitions librarian, are the authors of a new book, "The Proceedings of the Zoological Society of London; an Index to the Artists, 1848-1900." It is scheduled to be published in late March by Garland Publishing of New York.

"The Proceedings" published the scientific papers of the Society's members and the minutes of their meetings. In 1848 the journal began to include lithographic plates illustrating the species studied by the zoologists. In those prephotography days, the accuracy of the illustrations was of great importance, but artistry was involved, too.



"Young Hippopotamus" by Joseph Wolf. "Proceedings of the Zoological Society of London, 1849": Plate Mammalia 14.

Some of the artists who created the illustrations are famous for their work with natural history subjects. For example, Joseph Wolf, a German artist who lived in London during the last half of the 19th century, is considered one of the finest natural history illustrators of the period. Wolf's illustrations were published in "The Proceedings" until 1899, the year of his death.

It was a plate by Wolf in "The Proceedings," in fact, that led to creation of the "Index." While preparing an exhibition on Joseph Wolf, Ms. Root decided to use a plate of a hippopotamus which she had seen previously.

"It took two days of searching, page by page, through dozens of volumes of 'The Proceedings' before I could find it," she explained.

She and Mr. Johnson spent two years creating and refining a bibliographic citation form for plates, entering citations for more than 2,500 plates into the Museum's computer and editing the final result.

The 1,000-page book includes detailed information on each plate: the number and title, the subjects depicted, a physical description and a citation for the article it illustrates. A subject index, including both common names and scientific nomenclature, concludes the volume.

Scientists studying a particular species, art historians researching a natural history artist, and bibliographers will find the "Index" a useful reference book.

ANTHROPOLOGIST ANNA C. ROOSEVELT JOINS AMERICAN MUSEUM

Anna C. Roosevelt, a distinguished authority on the archeology of lowland South America and a former curator of South and Middle American archeology at the Museum of the American Indian, joined the American Museum's Anthropology Department as a research associate on Feb. 11.

Dr. Roosevelt's current research project focuses on Marajo Island, Brazil, at the mouth of the Amazon River. Her interests center on ancient chiefdoms, mound builders, the early cultures of the tropics, the interactions between humans and the natural environment, and pre-Columbian art.

Announcing her appointment, Thomas D. Nicholson, director, said, "It is imperative, given her unquestioned scholarship and reputation, that Dr. Roosevelt maintain a top quality base for her research. The American Museum is that base. Her presence will add to the luster of our renowned Department of Anthropology."

Craig Morris, chairman of Anthropology, informed the Council of the Scientific Staff that the interests of Dr. Roosevelt "nicely complement" the scholarly interests of the department. Dr. Roosevelt's appointment was approved unanimously by the Council of the Scientific Staff and the Director, as required by Museum policy.

Dr. Roosevelt holds degrees from Columbia and Stanford Universities. She joined the Museum of the American Indian in 1970. While serving as a curator there, she also was chairman of the exhibition committee and was a member of the curatorial council, publications committee and planning committee.

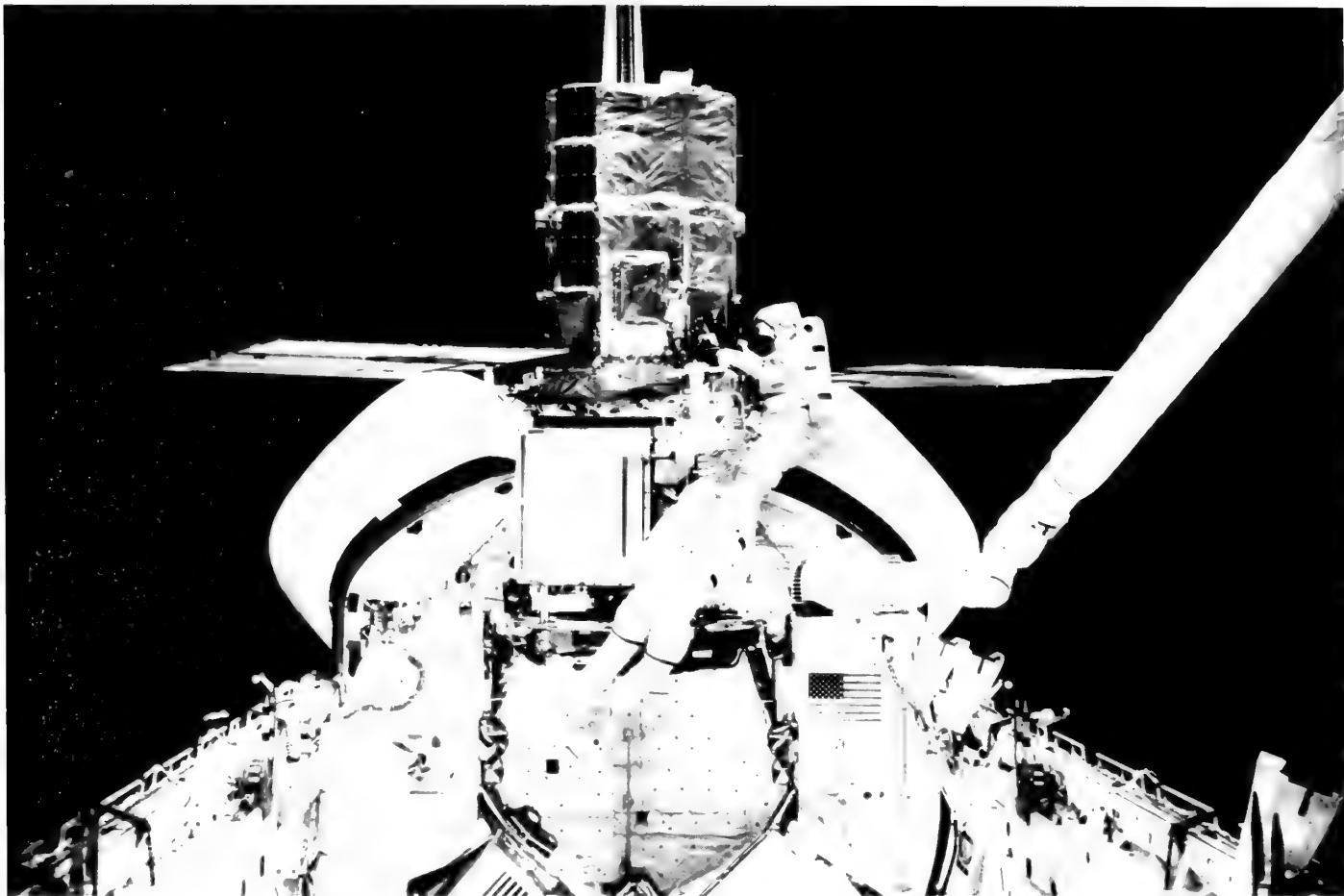
She directed several major special exhibitions, including "Star Gods of the Ancient Americas," which premiered at the American Museum in 1982. "Star Gods" traveled to other institutions through 1984.

A prolific researcher and writer, Dr. Roosevelt has written and served as editor of several books and monographs including "The Ancestors: Native Artisans of the Americas."

Her articles have appeared in a wide range of scholarly publications, among them, *Nature* and the *Papers of the Peabody Museum of Archaeology and Ethnology* at Harvard University.

Dr. Roosevelt's current research project on Marajo Island is being funded by grants from the National Science Foundation. For other research projects, she has received grants from the National Endowment for the Arts, National Endowment for the Humanities, the Ford Foundation, the Social Science Research Council and the Wenner-Gren Foundation for Anthropological Research.

MUSEUM PAYS TRIBUTE TO SHUTTLE ASTRONAUTS



A scene from "The Dream Is Alive" shows Space Shuttle Challenger on its April 6-13, 1984, mission. Astronauts James D. van Hoften, above, and George D. Nelson repair the Solar Max in the aft end of the Challenger's cargo bay

Photo credit: Threshold Corporation

The tragic explosion of the Space Shuttle Challenger on Wednesday, Jan. 28, left reverberations of shock and sorrow. As an immediate act of mourning, the American Museum paid tribute to the spacecraft's seven astronauts.

On Wednesday and Thursday, visitors entering the Museum to view "The Dream Is Alive," a film chronicling the history of the shuttle, saw the following message on the screen -- "The hazards of space travel were tragically evident when the Space Shuttle Challenger exploded in flight at 11:38 a.m. We grieve for the brave men and women who died and for their relatives and friends. Out of respect, we have

substituted another film in our Naturemax Theater." The film "Living Planet" was shown.

Astronauts Judith Resnik and Dick Scobee, whose work aboard the shuttle was captured in "The Dream Is Alive," and Ronald McNair, who appeared in the film's preflight scenes, were among the crew members lost in the Challenger disaster.

On Friday, Jan. 30, "The Dream Is Alive" was again scheduled for showing. An announcement now preceding the film dedicates all performances to the astronauts in the Space Shuttle program, and particularly those killed in the explosion.

'PRINCESS' MOVES INTO THE AMERICAN MUSEUM

The "Brazilian Princess," the world's largest cut gem, will be holding court in the Museum's Roosevelt Memorial Hall until a permanent exhibition home is established for it in the Hall of Minerals and Gems.

The "Princess" was a gift to the Museum from an anonymous donor. The 21,005 carat (nine-and-a-half-pound) light blue topaz is the size of an automobile headlight. It was delivered under guard to the Museum on Dec. 19.

Full-page advertisements appeared in The New York Times and New York magazine announcing a "new setting" for the gem. The actress Zsa Zsa Gabor, a person long-associated with luxury, recorded a radio spot about the "Princess." In it, Zsa Zsa asks if she might have the gem to wear on her finger. Of course, she's turned down.

The history of the "Brazilian Princess" goes back some 30 years to the discovery of a 75-pound topaz crystal in the mountains of eastern Brazil. Gem dealer Edward Swoboda purchased it and brought it to the United States.



The "Brazilian Princess"

"The person who purchased it realized it was a crystal of potential, but at that time the technology to cut it was not available," said George E. Harlow, curator in the Department of Mineral Sciences. "It was not until the late 1970s that it was possible to cut a stone like this.

"It is remarkable that there should be such a big piece of clean material grown by nature. I am certainly glad it was preserved in its present form," he said.

The cutting and polishing process took almost a year. The final result of the gem cutters' efforts was a well-proportioned stone of great clarity, remarkable for a gem so large. The 221 facets of the "Princess" are bright, accurate and of unusually large size. The gem's shape has been described as a square cushion cut. It measures 5.71 inches on each side and 4.71 inches in depth.

GYPSY LIFE DOCUMENTED IN AKELEY GALLERY EXHIBITION

A series of photographs that document Gypsy lifestyles are on view in the Akeley Gallery in the special exhibition, "Gypsies: Photographs by Jan Yoors, 1930s-1970s." It continues through July 27.

The black-and-white photographs were taken by the late Jan Yoors, a Belgian artist who traveled and lived with Gypsies much of his life. He was 12 years old when he first joined a band of nomadic Gypsies camping near his home. His photographs show Gypsies in diverse situations -- with their families, at fairs and celebrations, at work -- and the kinds of shelters they live in, ranging from wagons and caves to tents and mobile homes.

Today, there are seven-to-eight million Gypsies scattered around the world, including both the wanderers and settled persons. They migrated from northwestern India to Europe via Persia at the beginning of the 11th century. The photographs in the exhibition depict them in India, Turkey, Spain, Belgium, France, Yugoslavia, Rumania, and other parts of eastern Europe, and the United States.

Nomadic Gypsies, called Rom, wandered over the world from Chile to Siberia, from Finland to South Africa and Australia. A common bond that unites the nomads is their language, Romani, derived from Sanskrit. The settled Gypsies, on the other hand, are more influenced by the language, customs and religions of the countries in which they live.

In some cases, local customs have been influenced by Gypsies. For instance, the Gitanos of southern Spain have contributed to Flamenco, the music and dance typical of that region.

The photographs provide views of the occupations of Gypsies who worked as musicians, entertainers and blacksmiths before they began leaving India. In Europe, they pursued work that was valued by the local communities -- woodcarving, brick and basket making, metalworking, horse trading, and entertaining.

Part of the exhibition deals with the modes of travel and the types of shelter of the Gypsies, showing how these have changed since the 1930s and how travel and shelter have varied from place to place.

Also seen in the photos are the differences in their clothes, over time and space. Although in some areas their dress is not always distinguishable from that of non-Gypsies, they have maintained a distinctive way of life amidst persecution, prejudice and even well-intentioned pressure to conform.

The photographs in the exhibition are from the estate of Mr. Yoors. Some of the text in the exhibition has been taken from three of his books: "The Gypsies," "Gypsies of Spain," and "Crossing: A Journal of Survival and Resistance in World War II."

Enid Schildkrout, curator in the Department of Anthropology is the curator of "Gypsies." The idea of the exhibition developed when she was writing an article about Gypsy caravans for *Faces*, the anthropology magazine for young people. *Faces* editors discovered the Yoors photographs in New York, and Dr. Schildkrout selected about 70 photos from more than 3,000 negatives for "Gypsies." Dr. Schildkrout was assisted by Margaret Cooper, exhibition coordinator in the Department of Exhibition and Graphics and contributing editor of *Faces*. Joseph M. Sedacca, manager in Graphics, designed the exhibition.



Young Gitano girl from Spain dances and plays a castanet in this photograph taken in 1971 by Jan Yoors.

MUSEUM EMPLOYEES HELP MAKE 1985 UNITED WAY CAMPAIGN A SUCCESS

Some 635 Museum employees reached out to those less fortunate than themselves by digging into their pockets and giving to the United Way.

This year's campaign netted more than \$11,000 with an average cash or check donation of \$14.31 and an average payroll deduction donation of \$53.34.

The number of employees who chose to give through payroll deductions increased by 10 percent over last year.

"The 35 department coordinators worked very hard to make this year's campaign successful," said Mitzi Bhavnani, manager of Volunteer Services and 1985 United Way Campaign chairperson. "United Way is grateful to the many Museum employees who contributed to this year's campaign."

The Museum's United Way chairperson for next year will be Kenneth Chambers, assistant chairman in the Department of Education.

MATTHEW KALMENOFF 1905-1986

Matthew Kalmenoff, former principal preparator in the Museum's Department of Exhibition and Graphics, died at his Manhattan home on Feb. 8. He was 80 years old.

Mr. Kalmenoff, a Museum staff member from 1946 through 1973, was an ambitious and prolific artist whose works can be found on every floor of the Museum.

Among the halls for which he helped create dioramas are the Halls of Asian Peoples, Reptiles and Amphibians, Ocean Life, Birds of the World, Early Dinosaurs, and Small Mammals of North America.

In addition to his work here, Mr. Kalmenoff provided illustrations for more than 100 books on natural history. He also did illustrations for the Gardening Section of The New York Times.

Mr. Kalmenoff was buried at the Sharon Gardens cemetery in Valhalla, N.Y. He is survived by his wife Elise, and two daughters, Louise Herzfeld and Marsha Zamble.

DEATH OF FORMER MUSEUM TRUSTEE JANET MORGAN MOURNED

Mrs. Alexander P. Morgan, a former Trustee of the American Museum, died on Dec. 26.

Janet Morgan joined the Museum as a Trustee in April, 1963. When she left in 1972, her daughter, Caroline -- Mrs. John Macomber -- became a Trustee, continuing the family tradition of dedicated Museum service.

Mrs. Morgan's interests centered on the Museum's exhibitions and exhibition policies. She was also very active with the Women's Committee.

In 1972, she was awarded the American Museum's Silver Medal in recognition of her tireless efforts on behalf of the Museum.

In addition to her Museum interests, Mrs. Morgan also devoted herself to the welfare of handicapped children; she was a member of the Council for the Association for the Aid of Crippled Children.

She also worked with the Committee of Interfaith Neighbors, an organization of churches and synagogues working toward the reduction of juvenile delinquency on Manhattan's Upper East Side.

HERE AND THERE

ADMISSIONS CONTROL: Thomas McNally is the new assistant manager.

ANTHROPOLOGY: Janet Strom, recently promoted from curatorial assistant III to assistant textile conservator, attended a textile conservation symposium at the L.A. County Museum of Art in Los Angeles on Feb. 1. . . **Nancy Demyttenaere**, conservator, is now the archeological conservator and collections manager for the New York State Office of Parks, Recreation and Historic Preservation in Albany.

BUILDING SERVICES: Joining as museum attendant guards are: **Edemar Arbuzow**, **Rita Blum**, **Sharon Delopenha**, **Davorin Dicecco**, **Gabriel Edwards**, **Michael Epps**, **Lydia Garcia**, **Robert Hazlett**, **Nancy Irizarry**, **Syed Islam**, **Barry Lewis**, **Reginald Lowery**, **MaryAnn Maiello**, **Gregory Mariani**, **Suzanne Meyers**, **Francis Nyarko**, **Thamar Oliver**, **Timothy Powers**, **Albert Soto** and **Inez Young**.

CONTROLLER'S OFFICE: Frances Dunleavy is the new controller.

OFFICE OF DEPUTY DIRECTOR FOR ADMINISTRATION: Robert Acker was promoted from internal auditor in the Controller's Office to assistant to the Deputy Director for Administration.

DEVELOPMENT AND PUBLIC AFFAIRS: Joining the Office of Development are **Kim Giovacco** as senior secretary, and two associates, **Renee Perry** and **Gary Forman**. . . **Melvin Elberger** is the new Public Affairs associate. . . **Mitzi Bhavnani**, manager for Volunteers and Information Desk Services, was appointed to the Board of the U.S. Association of Museum Volunteers, a Committee of the American Association of Museums. . . **Ann Breen Metcalfe**, chairwoman, and her husband Jack are the grandparents of Zoe Metcalfe-Klaw, born Feb. 10.

EDUCATION: Blair Durant joined as a Museum instructor.

EXHIBITION AND GRAPHICS: Robert Richardson, intern preparator, and his wife Marilyn, are the parents of Luke Antonio born on Jan. 20.

GENERAL ACCOUNTING: Ugo Marini is the new assistant manager.

GENERAL SERVICES: Fernando L. Rosado was promoted from senior clerk to supervising clerk.

ICHTHYOLOGY: The new secretary is Cheryl Lechtanski.

LIBRARY: Eileen Burgess joined as senior clerk. . . **Nina Root**, chairwoman, along with **Guy G. Musser**, chairman in the Department of Mammalogy, **Robert L. Carneiro**, curator in the Department of Anthropology, **Thomas D. Nicholson**, director, and **L. Thomas Kelly**, assistant director and publisher of *Natural History*, were on the recent Great Expeditions II tour around the world as staff and lecturers. . . **Mary Genett**, assistant librarian for Reference Services and Conservation, attended the meetings of the American Library Association, Jan. 18-20, in Chicago.

MAINTENANCE: Three new Museum attendant guards are: **Antonio Acosta**, **Gladys Ruiz** and **Alexander Sabados**. . . **Augusto Serrano** joined as an assistant Museum maintainer.

MAMMALOLOGY: Patricia Bell joined as a scientific assistant.

MICROPALEONTOLOGY PRESS: Gregory Dinkins was promoted from part-time editorial assistant to proofreader.

MUSEUM SHOP: Yvette Ames, Della Jordan and Kelly Swails are new part-time sales assistants. . . **Vince Eng** is a new part-time stock assistant.

NATURAL HISTORY MAGAZINE: Ramon Alvarez was promoted from assistant circulation manager to promotion manager. . . **Ruth McCrea** was promoted from business manager to general manager. . . Joining as secretaries are **Sonia Lee** and **Mary Moore**.

ORNITHOLOGY: Lester L. Short, chairman and curator, was in Kenya from October to January conducting fieldwork on Honeyguides and Barbets with his wife, Jennifer Horne. He was in Baton Rouge, Jan. 29 and 30, attending a U.S. Fish and Wildlife Service conference on what can be done to find and save the Ivory-billed Woodpecker in the U.S.

PERSONNEL: Lee Vilensky joined as senior personnel assistant.

VERTEBRATE PALEONTOLOGY: Jeanne Kelly was promoted from Museum technician to senior Museum technician.

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American
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JUN 13 1986

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A. M. N. H.

MAY/JUNE 1986

'LOST AND FOUND TRADITIONS' BEGINS NATIONAL TOUR HERE

IVORY-BILLED WOODPECKER, BELIEVED EXTINCT, SIGHTED IN CUBA

One of two subspecies of the Ivory-billed Woodpecker—among the world's rarest birds and thought to be extinct—has been sighted in the mountains of eastern Cuba by a team of researchers led by Lester L. Short, chairman of the Department of Ornithology at the American Museum.

At least one male and possibly two females were spotted several times near Ojita de Agua, a lumber camp located in northern Guantanamo Province, some 500 miles east of Havana.

Cuban biologists Giraldo Alayon G. and Alberto R. Estrada, both of the Cuban Dirección de la Flora y Fauna, spotted one female Ivory-bill during a preliminary expedition on March 16.

Later in March, Dr. Short and bioacousticians George B. Reynard of the Cornell University Laboratory of Ornithology, and Jennifer Horne, a research associate of the National Museum of Kenya (Dr. Short's wife), went to Cuba to verify the Ivory-bill sightings and search for more of the birds. Between April 6 and 16, the male and female Ivory-bills were sighted or heard numerous times.

At the invitation of the Cuban government, Dr. Short and Dr. Reynard first went to Cuba in March, 1985, to search for Ivory-bills.

Two subspecies of the Ivory-billed Woodpecker are recog-



The Ivory-billed Woodpecker was sighted several times in the mountains of eastern Cuba

nized by the American Ornithologists' Union: the Cuban Ivory-billed Woodpecker and the North American Ivory-billed Woodpecker. Both have been thought to be extinct. The last generally accepted sightings of Ivory-bills in the United States occurred in the 1950's.

The Ivory-bill averages 20 inches in length, and weighs about a pound. Its plumage is shiny black, with a white stripe down the neck from the cheek to the back. Females have a black crest and males a red crest. The bird's bill is the color of pale ivory.



A frontlet, made from wood and abalone shell, created by Kwakiutl artist Richard Hunt of Victoria, British Columbia. Frontlets are worn on the forehead at high ceremonial occasions to indicate status.

PHOTO CREDIT Bobby Hansson

"Lost and Found Traditions: Native American Art 1965-1985," premiered at the American Museum on Friday, June 6. It is the first comprehensive exhibition that focuses on the survival of traditional Native American art forms into the present.

"Lost and Found" is comprised of some 400 works by more than 200 Indian artists from the United States and Canada. It is on view in Gallery 1, through Sunday, Oct. 5.

A wide range of objects, including textiles, pottery, baskets, jewelry and carvings are featured in "Lost and Found." Works employing such materials as beads, feathers, porcupine quills, hides, and furs demonstrate the expansion of styles and techniques rooted in the past.

Because there has been little widespread collecting of "contemporary-traditional" Native American art, the only way to assemble a representative collection was to obtain materials directly from the American Indian community.

In 1977, Ralph T. Coe, curator of the exhibition and a noted scholar of Native American art, began visiting tribal groups across North America. He established contacts with Indian artists, as well as with traders who have connections with the American Indian art world.

Repeated visits to tribal artisans enabled Mr. Coe to experience Indian lifestyles, establish relationships and purchase works representative of more than 100 different tribes. It took nine years to collect the pieces that make up "Lost and Found Traditions."

The exhibition is organized by the American Federation of Arts and is supported by grants from the American Can Company Foundation, with partial funding from the National Endowment for the Arts.

TYRANNOSAURUS REX IS LETTERMAN'S 'GUEST'; INAUGURATED NEW 'LATE NIGHT' FEATURE

"I will return to the Museum with many stories...Extinction is easier to bear knowing that I now live in the hearts of you, the American television-viewing public."

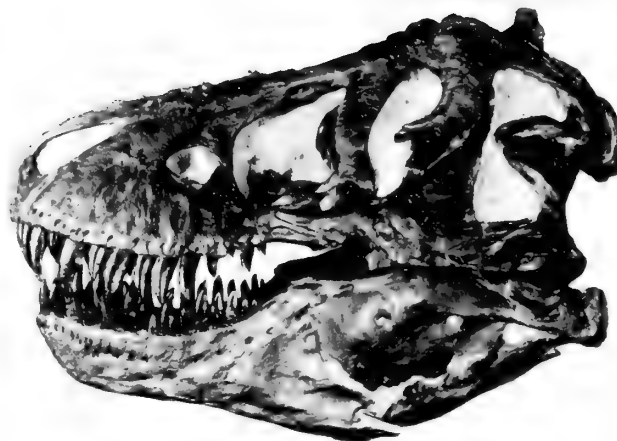
The "words" came from *Tyrannosaurus rex* in its final night on NBC-TV's "Late Night with David Letterman." The full-size dinosaur skull from the Museum's reproduction facility opened a new, humorous Letterman feature.

For a four-night Letterman show week—Monday, March 31, through Thursday, April 3—the *Tyrannosaurus rex* skull was highlighted by the lanky humorist. In his introduction, Letterman announced that each week a new Museum item would be spotlighted under an arrangement with the Office of Public Affairs and the cooperation of various Museum departments.

In the week beginning Monday, April 7, three meteorites from the Department of Mineral Sciences were shown.

On display behind Letterman, and the subject of his humor at various times during each show, were the Museum's Henbury, Mungindi and Canyon Diablo meteorites, weighing in at 88 pounds, 16 pounds and 19 pounds respectively. The Henbury and Mungindi were found in Australia, the Canyon Diablo in Arizona.

On subsequent Letterman shows were a roughtail stingray



TALKING HEAD: American Museum's *Tyrannosaurus rex* skull uttered "words" of farewell to TV audience after four nights on Letterman show. Other Museum items followed in succeeding weeks

from the Department of Ichthyology, a termite queen from the Department of Entomology, the "Brazilian Princess" topaz, and a cast of a Neanderthal skull.

"Late Night with David Letterman," an NBC network production is taped at 5:30 p.m. in the NBC studios at 30 Rockefeller Plaza. In the New York area it is broadcast 12:30 a.m. to 1:30 a.m. The Letterman show is reported to have a viewing audience of 10 million.

QUARTER CENTURY CLUB HAS 11 NEW MEMBERS

Eleven Museum employees were inducted into the Quarter Century Club at a reception and dinner held in the Hall of Oceanic Birds on April 29.

The Quarter Century Club honors those persons who have served the Museum for 25 years or more. It now has 185 members, some of whom are retired.

Not all of the 185 members could attend the ceremony on Tuesday, and there were two new members who were noticeably absent. Ernestine A. Weindorf, assistant to the publisher of *Natural History*, and Donn E. Rosen, curator in the Department of Ichthyology, were recuperating from operations; they were inducted in absentia.

As Director Thomas D. Nicholson introduced the new mem-

bers, President Robert G. Goellet, presented them with honorary life membership certificates.

Also inducted into the Club were: from the Department of Anthropology, Michael A. Cigliano, senior technician; from the Department of Building Services, Angelo J. Mangano, senior attendant guard; Jerome G. Rozen, Jr., deputy director for research; from the Department of Entomology, Beatrice Brewster, senior secretary; from the Department of Invertebrates, Sidney S. Horenstein, senior scientific assistant and senior Museum technicians Melvin T. Hinckley and Gerald W. Thurmann; from the Department of Mammalogy, Sydney Anderson, curator, and from *Natural History*, Florence Edelstein, copy chief.



Sydney Anderson, right, curator in the Department of Mammalogy, is welcomed to the Club by Helmut Sommer, senior Museum technician in the same department. Dr. Anderson is accompanied by his wife, Justine.



New member, Beatrice Brewster, left, senior secretary in the Department of Entomology, enjoys the company of Johanna Marx, supervising clerk in General Accounting



New member Jerome G. Rozen, Jr., deputy director for research, and his wife Barbara share a happy moment during reception



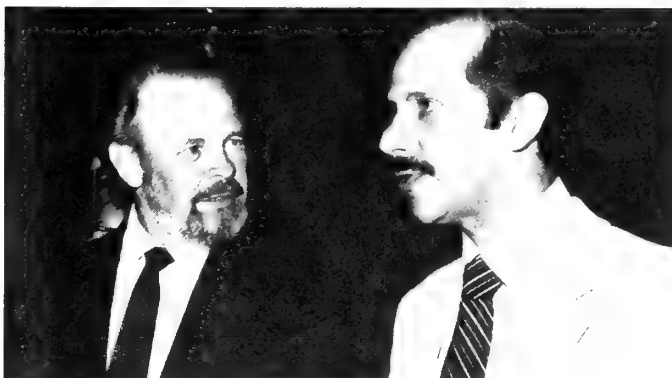
New member Gerald W. Thurmman, senior Museum technician in the Department of Invertebrates, celebrates his 25 years of Museum service at the reception



Robert J. Daly, right, senior Museum technician in General Services, shares a few laughs with John Zemba, a carpenter in the Carpenter Shop



Harry L. Shapiro, left, curator emeritus in the Department of Anthropology, finds a quiet corner to chat with retiree Raymond H. de Lucia, former chief preparator in the Department of Exhibition and Graphics



Retiree Otto Simonis, left, former senior Museum technician in the Department of Vertebrate Paleontology, greets new member Michael Cigliano, senior Museum technician in the Department of Anthropology



Mary LeCroy, center, senior scientific assistant in the Department of Ornithology, is reunited with friends Victoria P. Pelton, former senior secretary in the Department of Ichthyology, and Albert J. Sable, former supervising Museum attendant guard in Building Services, both of whom are now retired



Reviewing their long careers at the Museum are Sidney S. Horenstein, left, senior scientific assistant in the Department of Invertebrates, and Nicholas Amorosi, senior Museum technician in the Department of Anthropology

WOLVES PROWL IN GALLERY 3

Few animals have exerted such a profound influence on the human imagination as the wolf. Many images one may have of the wolf—of "Little Red Riding Hood," Jack London's books or of werewolves—are explored in "Wolves and Humans: Coexistence, Competition and Conflict."

The exhibition, in Gallery 3, from Wednesday, June 11, through Monday, Sept. 1, explores the biological, social and mythological connections between wolves and humans through history. It portrays the wolf as a symbol of the natural wilderness.

Insights concerning wolf behavior are presented. For example, a re-creation of a northern woods environment showing a wolf pack engaged in a winter kill of a white-tailed deer is shown. Twelve mounted wolves positioned around the deer show the behavioral interactions within the pack during the kill.

The extensive folklore surrounding the wolf is demonstrated through prehistoric wolf masks, costumes and totems from Native

American cultures, graphic representations of the wolf throughout history, and through images of the wolf in myth and literature.

Special features include: a "howling booth" where visitors can howl like a wolf in order to locate a pack hidden on a lighted board map, a wolf den with its musky smell, and a computer game in which visitors can play the role of a wolf to learn the odds that a predator must overcome to obtain prey.

Part of the exhibition deals with the wolf as an ancestor of the domestic dog. Over 15,000 years, humans have selected from the specialized structures of the wolf to develop more than 120 breeds of dogs. The similarities and differences among wolves, dogs and coyotes are shown.

"Wolves and Humans" was produced by the Science Museum of Minnesota with support from the National Endowment for the Humanities.

STONES ARE 'READING MATERIAL' FOR MUSEUM GEOLOGIST

To learn about the earth people read books. But to Sidney S. Horenstein, a senior scientific assistant in the Department of Invertebrates, stones are also the pages of earth history. "The varied stones of New York City tell the story of the geological history of the world," he says.

For the past 12 years Mr. Horenstein has been visiting stone quarries throughout the United States and Europe. One center for his observations is an active quarry a few miles north of the Bronx where he learns the techniques of stone extraction and examines response to weathering and erosion.

Mr. Horenstein has prepared a catalog of the quarries that have yielded stone used in building the Museum.

When he taught geology classes at Hunter College, from 1962 to 1984, Mr. Horenstein took his students on trips around the city and taught them about the geologic history of the stones used in

various buildings.

He has put together a collection at the Museum which at the present time amounts to 350 varieties of stones used in New York buildings.

Most buildings are made of granite, marble, limestone, sandstone or slate. Mr. Horenstein says that many stones commonly called marble are really polished limestones that can easily be recognized by their fossil content.

Several years ago Mr. Horenstein was the curator of "Treasure Troves of New York City," an exhibition about building stones, their geology, variety and how they are quarried. He also has taught several courses for the Department of Education's Spring and Fall Lecture Series and will lead a boat trip up the Hudson River to survey the river's geology.

HERE AND THERE

ANTHROPOLOGY: Sheila Davis is the new secretary.

BUILDING SERVICES: Edna Billings and Roy Jeronimo were promoted from Museum attendant guard to senior Museum attendant guard... Steve Pigasiou joined as a Museum attendant guard... Robert Hudson, Museum attendant guard, and his wife became the parents of William Ryan, born on April 2.

CONSTRUCTION: Joining as Museum maintainer is Anita Warren... Richard Slawski is the new manager.

CONTROLLER'S OFFICE: Rose Hopkins is the new assistant to the controller.

OFFICE OF DEPUTY DIRECTOR FOR RESEARCH: Wade Sherbrooke was promoted from assistant director to resident director of the Southwestern Research Station and Pamela Limberger joined as his assistant.

DEVELOPMENT AND PUBLIC AFFAIRS: Naomi Weinstein is the new senior secretary in Guest Services...Joining as part-time telephone supervisor in the Volunteer Office is Evelyn Unger.

EXHIBITION: Victor Matos is the new assistant designer... Christine Rossi, preparator, married Theodore Anderson on April 12.

HERPETOLOGY: Curator Charles J. Cole and senior scientific assistant Carol R. Townsend spent most of March in Suriname collecting unisexual lizards.

LIBRARY: Carol Tucher was promoted from reference librarian to senior reference librarian... Elizabeth Garcia has been promoted from senior clerk to senior secretary...Two new senior clerks are Jennifer Bernard and Flora Tongko...Peter Hamm joined as part-time library assistant...Nina Root, chairwoman, and Linda Reichert, who was recently promoted from senior reference librarian to assistant librarian for Reference Services, attended the Jubilee Symposium of the Society for the History of

Natural History, March 14-24, in London...Miriam Tam, assistant librarian for Technical Services, was present at the Preservation Microfilming Seminar organized by the Library of Congress and American Library Association, March 5, in Washington...Mary Genett left her position as assistant librarian, but will continue providing services as a consultant on conservation...Debbie Pucci, senior clerk, is now a constituent service representative for Manhattan Borough President David N. Dinkins.

MAINTENANCE: Carolyn Prince was promoted from Museum attendant guard to senior Museum attendant guard...Richard Faoye is the new Museum maintainer...The new assistant Museum maintainer is Danny Hernandez...Four new Museum attendant guards are Rodolpho Hernandez, Roman Novak, John Peck and Sisina Papandrea.

MAMMALOLOGY: Lauren Wilson is the new secretary.

MINERAL SCIENCES: Michael Weisberg was promoted from part-time curatorial assistant to scientific assistant.

MUSEUM SHOP: Barbara Voss joined as the new assistant manager...The new part-time supervisor is Mahalia Stines...Soo C. Lim is the new part-time cash analyst...New part-time sales assistants are Gina Carnley, Karen Cooper, Barbara Hunt and Patrick Leader.

NATURAL HISTORY MAGAZINE: The new senior editor is Bruce Stutz...Bonnie Kinney is the new part-time membership desk assistant.

PLANETARIUM: Rocco Bellino joined the Planetarium Shop as assistant manager...The new secretary is Janice Yaklin...Joining as part-time sales assistant is Kristin Gilmore.

VERTEBRATE PALEONTOLOGY: A new Axelrod Fellow is Stanley Blum...Jane Shumsky has joined as a Museum technician.

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VOL. 43, NO. 4

THREE SCIENTIFIC DEPARTMENTS GET NEW ASSISTANT CURATORS

Three new assistant curators have joined the staff of the American Museum — two immediately and one effective next spring.

They are: David A. Grimaldi, Department of Entomology; Robert S. Voss, Department of Mammalogy, and Edmond A. Mathez, Department of Mineral Sciences, whose appointment becomes effective on April 1.

Mr. Grimaldi's interests lie in systematics and evolution of flies, particularly of Drosophiloidea and other Muscomorpha. His research on Drosophilidae emphasizes the testing with morphology the phylogenies which are now based primarily on chromosomal and protein data.

Mr. Grimaldi is a Ph.D. candidate in the Department of Entomology at Cornell University, who expects to receive his doctorate in systematic entomology. He is a member of the Entomological Society of America, the Society of Systematic Zoologists and the Society for the Study of Evolution, among others.

He has authored and coauthored publications on dipteran ecology and systematics and has received numerous honors and awards, including a National Science Foundation (NSF) Doctoral Dissertation Improvement Grant for 1984-1986.

Mr. Grimaldi fills the position vacated by curator Pedro Wygodzinsky who retired last March after a long illness. Dr. Wygodzinsky, who joined the Museum in 1962, is a specialist in the taxonomy of silverfish, black flies and assassin bugs. During his career he worked in Switzerland, Brazil and Argentina, and conducted extensive fieldwork in Andean South America. He has published more than 250 papers on the taxonomy and zoogeography of insects.

Dr. Voss has published several articles on his research, which has included floral biology of *Mardea neurantha* Hemsley, a bat-pollinated epiphyte, feeding behavior and diets of neotropical water rats, and systematics, zoogeography and ecology of South American rats and mice.

He is the recipient of numerous awards and grants, including a postdoctoral fellowship from the Smithsonian Institution's National Museum of Natural History.

Dr. Voss received his Ph.D. degree in 1983 from the University of Michigan. He is a member of the American Society of Mammalogists, the Society of Systematic Zoology and the Society for the Study of Evolution.

Dr. Voss fills the vacancy created by the retirement last year of Karl F. Koopman. Renowned for his research on bats, Dr. Koopman is now curator emeritus and continues to play an active role in the department.

Dr. Mathez is currently a research assistant professor in the Department of Geological Sciences at the University of Washington, where he conducts research, teaches and supervises graduate students. He also manages the department's electron microprobe laboratory.

His research centers on the behavior of volatiles in mantle and crustal mafic systems and has contributed especially to an understanding of the role of carbon and the effects of degassing on the oxidation states of magmas and ore deposits.

Dr. Mathez earned his Ph.D. degree in 1981 at the University of Washington. He has authored and coauthored numerous abstracts and papers and has received research grants from the NSF.

YOUNG DANCERS FROM CHINA VISIT AMERICAN MUSEUM



Some of the 56 young dancers who traveled all the way from Beijing to participate in the National Dance Institute's 10th anniversary performance, gaze in awe at the Museum's Triceratops. The children were greeted by Thomas D. Nicholson, director, and Malcolm J. Arth, chairman of the Department of Education. They were guided

by Museum volunteers. The dancers were brought to the United States in cooperation with the National Dance Institute, the Center for U.S.—China Arts Exchange, the New York—Beijing Friendship City Committee of the Mayor's Office and the China Association for the Advancement of International Friendship.

TREASURE-TOTING VISITORS HERE FOR I.D. DAY

Phil Galvano, a resident of northern New Jersey, wasn't sure what it was he had hanging on his basement wall for many years, but he was sure it was something different.

"They told me it was a skull of a dolphin," Mr. Galvano said, holding up the object for others in the Charles A. Dana Education Wing to see. "I never knew. It was just something I found in a dump on Staten Island."

Mr. Galvano was one of some 450 persons who attended the American Museum's eighth I.D. Day on June 14 — the only event of its kind held in New York City.

"Where else would people come to learn about the unusual objects they've collected over the years," said Sidney S. Horenstein, senior scientific assistant in the Department of Invertebrates. "We began holding the event because of the tremendous number of inquiries the Museum receives each year from the general public."

Some people traveled long distances to take advantage of having a one-on-one audience with a Museum expert. Mrs. Helen Burnett, a resident of Orlando, Fla., read about the event in *The New York Times*, and decided to bring in a carving her husband found in Mexico before World War II. Although she thought it was pre-Columbian, Museum experts explained to her that it was a reproduction.

In other cases, people came expecting to be told they had nothing special, and left pleasantly surprised. One young woman's "plain old arrowhead" turned out to be a spearpoint that was made between 1,000 B.C. and 6,000 B.C.

In addition to Mr. Horenstein, members of the Museum staff that made up the Museum's I.D. Day team were: from the Department of Anthropology, Anibal Rodriguez, technician, and Paul F. Beelitz,

associate collections registrar; from the Department of Entomology, David A. Brody, technician; from the Department of Invertebrates, Walter E. Sage, III, scientific assistant; from the Department of Mammalogy, Jean Augustin, senior technician, and from the Department of Mineral Sciences, Joseph J. Peters, senior scientific assistant.



A youngster's precious mineral collection is examined by Joseph J. Peters, Mineral Sciences.



Jean Augustin, left, Mammalogy, identifies several small mammal skulls



Paul F. Beelitz, Anthropology, answers a woman's questions about a spearpoint she found

NEW YORK PLAYS HOST TO AMERICA'S MUSEUMS

Museum professionals, trustees and volunteers representing more than 6,200 American museums of every size and discipline attended the 81st annual meeting of the American Association of Museums (AAM), at the New York Hilton, June 8-12.

The American Museum of Natural History has always been an active participant in AAM affairs. Indeed, it was here that the founding meeting was held in 1906. Director Thomas D. Nicholson was the general chairman of this year's meeting.

Working with him were Robert T. Buck, director of the Brooklyn Museum, who was program chairman, and Joseph Veach Noble, director emeritus of the Museum of the City of New York, who was honorary chairman.

The president of the AAM is Robert R. Macdonald, who is also

the director of the Museum of the City of New York.

All the New York preparations concerning the AAM meeting, including the scheduling of guest speakers, were arranged at the American Museum.

On June 8, a special Director's Reception was held at the Museum and the New York Historical Society. The reception was followed by a Founders' Dinner here. Dr. Nicholson delivered welcoming remarks to the delegates who attended the reception and the dinner.

On June 9, invited speakers were Mayor Edward I. Koch and Bess Myerson, commissioner of cultural affairs, who both delivered opening remarks, and Gordon M. Ambach, New York State commissioner of Education, who presented the keynote address at the opening general session.

(continued on next page)

Mr. Ambach spoke on the role of museums in partnership with schools as places of learning, and how museums can connect their curatorial, research and exhibit strengths with school education programs. He maintained that strengthening the museum as a place of learning is the best means of generating increased public support.

Also on June 9, Edward H. Able, executive vice president of the American Society of Landscape Architects in Washington, was introduced as the new executive director of the AAM. He succeeds Lawrence L. Reger, director since 1978.

Louis C. Jones, director emeritus of the New York State Historical Association and the Farmers' Museum in Cooperstown, N.Y., received the AAM's 1986 Award for Distinguished Service to Museums, and Ruth Gebel, curator of exhibits at the Santa Barbara Museum of Natural History, Calif., was given the Nancy Hanks Memorial Award.

To celebrate the AAM's 80th anniversary, a special "Fascinating Facts" contest was held in which persons answered questions about the AAM's history. Winners were awarded prizes donated by several New York museums. The American Museum contributed a quartz specimen. It was won by Elva Younkin, a curator at the Maturango Museum in Ridgecrest, Calif.

Over the four-day meeting, some 100 panel sessions were held on such topics as how to start a science center and how to write an effective grant proposal.

American Museum staff who participated in some of the sessions

were: Malcolm J. Arth, chairman of the Department of Education, who served as a panelist on the session entitled, "Collecting, Preserving and Exhibiting Film and Video in the Museum;" Mitzi Bhavnani, manager for Volunteers and Information Desk Services, who chaired the session, "Volunteer Administration: A Profession, Not A Job;" George S. Gardner, chairman of the Department of Exhibition and Graphics, who cochaired the session "Designers and Evaluators, Part I: Partners in Exhibit Effectiveness." Mr. Gardner was also a panelist on the session, "Planning for Conservation" that was cochaired by Anna C. Roosevelt, research associate in the Department of Anthropology. Also serving as panelists were Dr. Nicholson, for the session entitled, "Evaluating Museum Collections Policies: The role of the Trustee," and Ian M. Tattersall, curator in the Department of Anthropology, for the session, "Curatorial Responsibility in Exhibit Development."

The AAM is the country's only association representing the entire museum community. It serves as a clearing house for ideas, issues and ethical questions concerning museums and is concerned with the establishment and maintenance of professional standards.

The AAM consists of "professional committees" of curators, registrars, trustees, directors, conservators, security managers and other groups; it publishes an annual museums directory, and it has a legislative program that actively advocates museum interests on Capitol Hill.

NEW SHOWS AT HAYDEN PLANETARIUM

Visitors will go on a journey of discovery when they view one of two new shows that the American Museum-Hayden Planetarium is offering.

"Voyage to the Outer Planets" is a 20-minute feature that follows Voyagers 1 and 2 on their multi-million-mile odysseys across the solar system, making historic discoveries about Jupiter, Saturn and Uranus.

Special effects and the best photographs and motion picture footage sent to Earth by the two spacecraft enabled us to learn much more about these planets than was previously known.

Voyagers' discoveries include a ring around Jupiter, several new satellites and the fact that one of Saturn's rings mysteriously braids and unbraids like strands of hair.

Saturn marked the end of Voyager 1's planetary mission but Voyager 2 continued. In January, Voyager 2 became the first spacecraft to reach Uranus where it discovered new rings and satellites as well as blizzards of methane snow driven by winds of more than 200 miles per hour.

At the conclusion of the Sky Show, visitors leave wondering what other fascinating discoveries will be made by Voyager 2 as it continues on toward a rendezvous with Neptune in 1989.

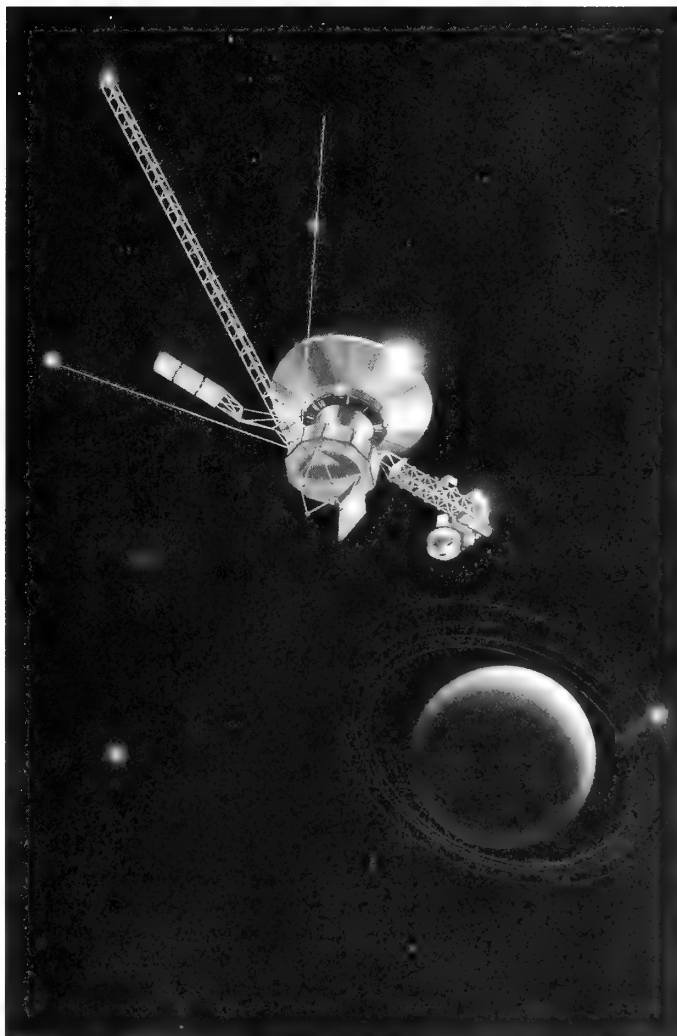
"Voyage to the Outer Planets" is shown with "Starborn: Earth's Odyssey Through Time and Space." "Starborn" transports its audience five billion years back in time to trace the dynamic and often violent history of our planet.

During the summer the double feature is shown Monday through Friday at 1:30 p.m. and 3:30 p.m., on Saturdays at 1 p.m., 2 p.m., 3 p.m. and 4 p.m., and on Sundays at 1 p.m., 2 p.m., 3 p.m. and 4 p.m. It will be shown until Nov. 25.

Another new show at the Planetarium is "Laser Beatles." Favorite Beatles tunes such as "Magical Mystery Tour," "Strawberry Fields," "While My Guitar Gently Weeps," "Lucy In the Sky With Diamonds," "Let It Be," and others, are played while geometric patterns and animated pictures appear on the domed Sky Theater.

To achieve these special effects, a sophisticated computer graphics system and the latest advances in laser and computer technology are used.

"Laser Beatles" is shown on Friday and Saturday evenings, at 7:30 p.m., 9 p.m. and 10:30 p.m.



Zooming past Uranus, the Voyager spacecraft speeds toward Neptune in "Voyage to the Outer Planets."

TRUSTEE WILLIAM T. GOLDEN HONORED BY COLUMBIA UNIVERSITY



Trustee William T. Golden

William T. Golden, a Museum Trustee since 1968, and a vice president since 1971, was awarded the honorary degree of Doctor of Laws from Columbia University in recognition of his distinguished scientific and humanistic achievements.

The university cited Mr. Golden as "an effective, wide-ranging and unobtrusive statesman of science" who has "shepherded educational and scientific institutions into being, in times of difficult challenge, with understanding, wit and knowing intellect."

His wide-ranging counsel to many organizations was also cited by Columbia. These include, in addition to the Museum, the American

Association for the Advancement of Science, the National Humanities Center and the Center for Advanced Study in the Behavioral Sciences.

In 1950-1951, as a special consultant to President Harry S. Truman, Mr. Golden helped to establish the post of science advisor to the President and did much to shape the idea of the National Science Foundation.

As a Museum Trustee, Mr. Golden serves on the Science Policy Committee, the Management Committee and the Development Committee.

He currently serves as vice chairman on the Mayor's Commission for Science and Technology, a position he was appointed to in June, 1983, by Mayor Koch. In addition, he is a member of the American Academy of Arts and Sciences and the American Philosophical Society.

CHANGES IN MUSEUM CHARGES

The Museum's pay-what-you-wish admission policy for adults has been changed from \$3 to \$3.50. There is no change in the suggested fee of \$1.50 for children.

In the Naturemax Theater, admission to single features is \$3.25 for adults, \$3 for senior citizens and adults in groups of 10 or more, and \$1.50 for children. At triple features, prices are \$4.75 for adults, \$4.50 for senior citizens and adults in groups of 10 or more, and \$3 for children. Members receive special discounts at all screenings.

Parking rates for the Museum and Planetarium are \$7.50 for cars and \$8.50 for buses and commercial vehicles.

IF YOU MUST SMOKE . . .

Museum employees who smoke are reminded not to do so in public halls. Those who smoke in behind-the-scenes areas where smoking is permitted are asked not to extinguish their cigarettes on the floor. The Maintenance Department is providing more cigarette receptacles in these areas.

HERE AND THERE

ANTHROPOLOGY: Paul F. Beelitz was promoted from assistant collections registrar to associate collections registrar. . . William Weinstein was promoted from curatorial assistant III to assistant registrar for data management. . . Jill Hellman joined as a part-time curatorial assistant.

BUILDING SERVICES: Juan DeJesus is the new assistant manager.

CONSTRUCTION: New Museum maintainers are Hallam Bradshaw, Randolph Hayes, Richard Lopez, Frank Martusciello and William Seavey.

ENTOMOLOGY: Frederick H. Rindge, curator, was awarded the Karl Jordan Medal for his research in moth systematics.

EXHIBITION: Arlene Jangaard was promoted from preparator to senior preparator.

FINANCIAL OFFICE: The new assistant to the controller is Ellen Enke.

GENERAL ACCOUNTING: Sharon Worstell is the new clerk. . . Neena Parikh, clerk, gave birth to her second child, a boy named Rajiv.

GENERAL SERVICES: Joining as senior secretary is America Reyes. . . Fernando L. Rosado, supervising clerk, attended the Postal Customers Council of New York, March 28, at the Penta Hotel.

HERPETOLOGY: Curator Charles J. Cole will spend most of the summer working on his long-term unisexual lizard project at the Southwestern Research Station, with senior scientific assistant Carol

R. Townsend assisting him in July. . . Charles J. Cole and curator Richard G. Zweifel attended the American Society of Ichthyologists and Herpetologists' meetings in Victoria, B.C., June 16-20.

INVERTEBRATES: Stephen Butler joined as curatorial assistant III.

LIBRARY: Terri Ashley, senior clerk, returned to work on May 19 after a maternity / childcare leave. . . Mary Genett was appointed Library associate. . . Jennifer Bernard is the new senior clerk. . . Miriam Tam, assistant librarian for Technical Services, attended the seminar, "Technology at the Library of Congress," May 4-7, in Washington.

MICROPALEONTOLOGY PRESS: Norman Hillman was promoted from associate editor to production editor.

MINERAL SCIENCES: The new senior secretary is Julie Frank. **MUSEUM SHOP:** Joining as clerk is Robert Aponte. . . Walter Gowens is the new part-time cash analyst. . . New part-time sales assistants are Iris Shapiro and Sharon Sullivan.

NATURAL HISTORY MAGAZINE: Jamie Epstein was promoted from senior secretary to assistant to copy editor. . . Thomas Miller joined as senior secretary.

ORNITHOLOGY: George F. Barrowclough was promoted from assistant curator to associate curator.

VOLUNTEERS: The volunteer work that Mary Morgan, an employee of Metropolitan Life, has done at the Museum was recognized by the firm with a \$100 contribution in support of National Volunteer Week.



SEPTEMBER/OCTOBER 1986

VOL. 43, NO. 5

ROOSEVELT MEMORIAL PLAZA AND STEPS COMPLETED

The Museum's face lift involving restoration of the front plaza and steps, the exterior of New York State's memorial to Theodore Roosevelt, has been completed. Repairs to the semicircular driveway beneath the plaza will continue until November.

The purpose of the project was to reinforce foundation supports and restore the appearance of the Memorial's steps and plaza. The \$2 million project, part of a program of maintenance and refurbishment of the Museum's facilities, was funded under the City's capital budget through the Department of Cultural Affairs and was supervised by the Department of General Services.

Starting April, 1985, the plaza and steps were taken apart stone by stone. The 1,200 granite stones and blocks of the plaza and steps, weighing approximately 300 tons, were numbered and stored on the lawn area next to the Museum until they could be reset piece by piece as in a mammoth jigsaw puzzle.

Another project is the proposed renovation of Theodore Roosevelt Memorial Hall. That work could get underway early next year.

Renovation of the Theodore Roosevelt Memorial Hall will include the installation of new admission desks at the Hall of South Asiatic Mammals, the Hall of African Mammals and the Hall of Oceanic Birds.

Improved lighting will be installed at each of the passages from the Roosevelt Memorial Hall into the exhibition halls, and the dome lighting in the main hall will be upgraded. High performance accent lighting for Museum events in Roosevelt Memorial Hall is planned. The installation of a new heating-ventilating-air conditioning system, automated coat checking counters, and the restoration of the decorative barreled ceiling have also been proposed.

A new information center will be installed in the Roosevelt Memorial Hall. It is to be flanked by two large planters, which will provide public seating.

During restoration work on Roosevelt Hall, the Museum's other permanent entrances (77th Street, at the subway, on 81st Street through the American Museum-Hayden Planetarium, and on 81st Street



Roosevelt Memorial Plaza and steps while the work was in progress.

through the visitor's parking lot) will remain open, as will the temporary entrance on Central Park West that was built when work on the Theodore Roosevelt Memorial Plaza began.



AMERICAN MUSEUM HONORED FOR BLOOD DRIVE ACHIEVEMENT

Thomas D. Nicholson, director, and Susan L. Kroll, center, personnel assistant and coordinator of the Museum's blood drive, accept an award on behalf of the Museum from Judith A. Levitt, personnel director for New York City, at a special ceremony in City Hall. For the second consecutive year, employee participation in the annual blood drive at the Museum has been more than 20 percent. The Museum was the only non-city agency to be recognized for the achievement.

INTO THE SKY AND BENEATH THE SEA VIA NEW NATUREMAX FEATURES



Medieval man's attempt at human-powered flight is dramatized in this scene from one of the new Naturemax films, "On the Wing," which explores the dynamic relationship between natural and mechanical flight.

Museum employees and their families can enjoy journeys into the skies and adventures beneath the seas in three new films in the Naturemax Theater—"On the Wing," "Skyward" and "Nomads of the Deep."

"On the Wing" documents the evolution of natural flight and illustrates how the fascination with flying has led to present-day aerodynamic and technological achievements. It is narrated by Academy Award-winner F. Murray Abraham.

"Skyward" explores the complex relationship between humans, birds and the environment. The 23-minute film follows a family of Canada Geese through the seasons. While dramatizing the influence that birds have had on humans, "Skyward" also examines some environmental effects humans have had on birds.

"Nomads of the Deep" probes the mysterious habits of the hump-

back whale. The 20-minute film is set against an underwater background of incredible beauty.

"The Dream is Alive," the story of America's Space Shuttle program continues to be shown.

The film schedule is:

"On the Wing," 11:30 a.m., 1:30 p.m. and 3:30 p.m., Monday through Friday. Also on Saturday and Sunday it can be seen at 10:30 a.m. "Nomads of the Deep" and "Skyward," 12:30 p.m., Monday through Friday, and at 4:30 p.m. on Wednesday, Friday, Saturday and Sunday. "The Dream is Alive," 10:30 a.m. and 2:30 p.m., Monday through Friday, and 12:30 p.m. and 2:30 p.m. on Saturday and Sunday. The triple feature of "On the Wing," "Nomads of the Deep" and "Skyward" is shown at 6 p.m. and 7:30 p.m. on Friday and Saturday.



SHELL GAME

Snapping turtle, right, takes first steps toward egg, center, from which another snapping turtle is beginning to emerge. The eggs were among 35 which were turned over to Michael W. Klemens, senior scientific assistant in the Department of Herpetology, by Central Park rangers. The rangers found them at a construction site near the Park's 72nd Street boat house. Museum scientists have been helping the Central Park Nature Conservancy study the Park's fauna. The eggs were the first evidence that snapping turtles are successfully reproducing in the Park. A day after the turtles hatched, Mr. Klemens, and the Park rangers, returned them to the lake.

ORIGAMI LADY LIBERTY WATCHES OVER VISITORS TO NATIONAL MONUMENT

As she carries her torch and book and wears her crown, she looks just like the real Lady Liberty, well almost.

A 53-inch origami model of the Statue of Liberty is prominently displayed in the section of the Statue of Liberty Museum entitled, "The Statue in Popular Culture." It forms part of a permanent collection of artistic renderings of Miss Liberty. It is the first time an origami model has been included in a national monument as a work of art.

She was not built in France, however. She was handfolded at the American Museum, home of The Friends of The Origami Center of America.

The origami Statue was the brainchild of Michael Shall, a professional paperfolder.

Michael wanted the art of paperfolding to play a role in Miss Liberty's Centennial Celebration, so in 1984 he asked his brother David to create an origami model of the Statue.

David went right to work and after nine months he had folded an 11-inch model of Lady Liberty. He said creating the seven points in the crown was the most difficult aspect of the project.

While his brother was busy folding paper, Michael was talking with representatives of the Statue of Liberty/Ellis Island Foundation trying to convince them to include the origami Statue in their celebration. It was not the easiest of tasks.

But, after eight months, Michael's hard work paid off. The Centennial celebration organizers agreed to accept an origami model of the Statue. However, they asked for one measuring six feet.

David was not too enthusiastic about the idea of making such a big model, so Michael convinced the Centennial organizers to accept one that measures between four and five feet.

In early March, 1986, the brothers began their work. Three sheets of thicker-than-normal foil gift wrap were hand-dyed, blending green and brown to get a realistic patina.

The next day, freezer tape was used to bond the paper to get a five-by-ten-foot sheet. The location of the tape was planned so that the seams would be almost invisible and would encounter minimal stress during the folding.

Most of the folding was completed by David. It was then necessary to build a styrofoam support for the inside since the model was very top heavy.

The brothers had anticipated there would be some problems associated with origami on such a large scale. One of these was that the paper was thick and too brittle, cracking easily or tearing along the creases.

It was also necessary to construct hidden wire supports for the head with its heavy crown and for the left arm in order to maintain the bend



The 53-inch origami model of the Statue of Liberty was folded at the American Museum. It is shown here as part of a permanent exhibition in the national monument.

in the elbow. Touch-up painting was done on the places where the paper had cracked.

In their presentation letter to David L. Moffitt, superintendent of the Statue of Liberty National Monument, David and Michael acknowledged the support of The Friends of The Origami Center of America, which provided some financial aid, and of the Trustees of the American Museum.

MALCOLM P. ALDRICH A TRUSTEE SINCE 1938

Malcolm P. Aldrich, an Honorary Trustee of the American Museum, died of pneumonia at Southampton Hospital on July 31. He was 86 years old.

A Trustee since 1938, Mr. Aldrich served the American Museum diligently and effectively. He was elected second Vice President of the Board in 1948, was appointed first Vice President in 1951 and was named an Honorary Trustee in 1969.

Mr. Aldrich was instrumental in supporting Museum scientific expeditions to northern Mexico, Alberta and British Columbia. He had a keen personal interest in the biology of mammals, and played an important role in the establishment of the Museum's Hall of North American Mammals, which opened in 1942.

Mr. Aldrich was born in Fall River, Mass., in 1900. In 1922, he graduated from Yale University, where he was captain of the football team. After Yale, he joined the staff of Edward S. Harkness, president of the Commonwealth Fund in New York

City. Upon Mr. Harkness's death in 1940, Mr. Aldrich became executor of his estate and the second president of the fund.

In 1963, Mr. Aldrich was appointed chairman of the board of the Commonwealth Fund Foundation. Under his guidance, the Foundation continued to promote medical education, and funding was provided for a new wing at the Eye Institute at Columbia Presbyterian Medical Center.

In addition to his selfless work on behalf of the American Museum, Mr. Aldrich served as a trustee of the Metropolitan Museum of Art and Presbyterian Hospital. He was director of the Southern Pacific Co., the New York Central Railway, the National Distillers Corp. and the American Electric Power Co.

He is survived by his wife, Ella Fisher Buffington; two daughters, Mrs. Joan Knowlton and Mrs. Shirley A. Daiger; a son, Malcolm Jr.; two brothers, Hulbert and Duncan, and six grandsons.

PRESTIGIOUS KARL JORDAN MEDAL GOES TO DR. RINDGE

Frederick H. Rindge, curator in the Department of Entomology, was awarded the Karl Jordan Medal by the Lepidopterist Society for outstanding original research in the taxonomy, systematics and zoogeography of Lepidoptera (moths, butterflies). The award is the only one of its type given in this field of study.

With more than 88 research publications in entomology and associated disciplines, Dr. Rindge's contributions to the New World Geometridae are well recognized. His detailed studies of this family and of the New World Ennominae have provided a means of proper identification for a large, little known lepidopteran group in which no previous revisionary studies existed.

Born in Los Angeles in 1921, Dr. Rindge attended the University of California at Berkeley, earning his B.S. degree in 1942 and his Ph.D. in 1949. His education at the University was interrupted by service in the Navy during World War II.

While in the service, he collected moth and butterfly specimens on the Pacific islands of Guam, Keramo Retto and Okinawa. He also collected specimens on Florida Island and the Solomon Islands.

Upon completion of his doctoral degree, Dr. Rindge joined the Museum's Department of Entomology, serving as assistant curator from 1949 to 1953 and associate curator from 1953 to 1962. He has been a curator since 1962.

Dr. Rindge's extensive field collecting in the Rocky Mountain region from 1959 through 1966 added more than 100,000 specimens to the department's collections. His most recent fieldwork has focused on the northeastern and northcentral United States, as well as southeastern Canada.

Dr. Rindge married the former Phyllis J. Denton in 1943. They have three daughters, Janet, Barbara and Marguerite.



Frederick H. Rindge

HERE AND THERE

ANTHROPOLOGY: Carol Gelber was promoted from part-time curatorial assistant to scientific assistant. . . Promoted from part-time curatorial assistant to assistant registrar for loans was **Belinda Kaye**. . . Joining as Museum technician is **Richard Cohen**. . . Two new part-time curatorial assistants are **Karen Katz** and **Melanie Lemaistre**.

BUILDING SERVICES: Twenty new Museum attendant guards are: **Shad Ahmad, Rolando Asa, Tony Bove, Maria Diana, Rebeca Escalona, Ada Irizarry, Kevin Jones, Kevin Lipinski, Oleg Litvinovsky, Samir Lucka, Augustin Martinez, Karl McKenzie, Makeda Menns, Faith Mortise, Deron Nevels, Horace Nobel, Jaime Pachon, Eddie Toro, Rose Williams** and **Velma Williams**.

DEVELOPMENT AND PUBLIC AFFAIRS: Betty Olt is the new public affairs assistant. . . The death in May of **Robert Fregosi**, a dedicated volunteer who worked at the Information Desks, is reported with sadness.

EDUCATION: Mary Kim and **Andrea Thaler** joined as Museum instructors.

ENTOMOLOGY: Carol Ievolella is the new secretary.

EXHIBITION: Stephen Quinn, senior principal preparator, married Linda Grandjean on Sept. 13. The couple honeymooned in the Canadian Rockies. They live in New Jersey.

HERPETOLOGY: The new part-time curatorial assistant is **Bertha Escalante-Pliego**.

LIBRARY: Thomas Barrick joined as part-time Library research

assistant. . . The new senior clerk is **Adrienne Cruz**. . . The new part-time Library assistant is **Dawn Norel**. . . The Library hosted a meeting of librarians of The Associated Natural Science Institutions (TANSI) June 25-27. . . All AMNH librarians attended the American Library Association meetings in New York, June 27-July 2.

MAINTENANCE: Kimberly Daniels is the new senior secretary. . . Joining as assistant Museum maintainer is **Andrew Hendrickson**.

MAMMALOGY: Teresa Hernandez joined as scientific assistant.

MICROPALEONTOLOGY PRESS: Joining as secretary is **Rhonda Norman**. . . Pierre Van Bockstaele is the new darkroom assistant.

MUSEUM SHOP: New part-time sales assistants are **Lauren Finneran, Kelly Flynn, Theresa Ramos** and **Sherril Schwartz**.

NATURAL HISTORY MAGAZINE: Peter Zelaya was promoted from part-time Membership assistant to Membership secretary. . . **Sandra Hughes** joined as the new senior secretary. . . The new Membership associate is **Susan Pelzer**.

PUBLIC ADMISSIONS: The new assistant manager is **William Garcia**.

VERTEBRATE PALEONTOLOGY: Ellen Garvens joined as a scientific assistant. . . The new secretary is **Karim Miteff**.

VOLUNTEERS: Evelyn Unger is the new part-time telephone supervisor in the Volunteer Office. . . **Mitzi Bhavnani**, manager of Volunteer and Information Desk Services has been certified in Volunteer Administration by the Association for Volunteer Administration.



NOVEMBER/DECEMBER 1986

VOL. 43, NO. 6

LIGHTING OF ORIGAMI HOLIDAY TREE MARKS BEGINNING OF HOLIDAY SEASON

Surrounded by a halo of 1,000 glittering stars, the Museum's spectacular Origami Holiday Tree was lit during a ceremony on Nov. 24, for the 14th year in the Theodore Roosevelt Memorial Hall. It is an Arthur Ross Exhibit of the Month.

The tree was lit by William Wachenfeld, president of the Charles Hayden Foundation, with an assist from Mayor Koch, who placed several origami ornaments on the tree. This year, the tree was dedicated to the Hayden Foundation in recognition of the 50th anniversary of the Foundation and the American Museum-Hayden Planetarium, and for the assistance that Mr. Hayden and the Foundation gave to the American Museum and its Planetarium since 1935. Mr. Hayden died in 1937.

The 25-foot artificial white pine is decorated with an additional 1,500 paperfolded ornaments. A 30-foot mobile suspended above the tree represents the sun, the stars and a comet.

The dazzling halo effect was achieved by mounting several hundred five-pointed silver star mobiles a few inches from the tree.

More than half of the figures on last year's tree were replaced with new ones. Among the new models this year are a peacock, a reindeer and an octopus. The tree is also newly decorated with astronomical figures. In addition to stars, there are rocket ships and space shuttles.

"More than 50 Museum volunteers contributed several thousand hours to fold and prepare the origami ornaments for the tree," said Michael Shall, the Museum's origami specialist and founder of the Friends of the Origami Center of America which is headquartered at the Museum. "More than 50,000 sheets of paper were used," he added.

At a table adjacent to the tree, Museum volunteers provide origami instruction to holiday visitors. Paperfolding activities continue through the year at the Museum.

Origami, the art of folding single sheets of paper without the use of scissors or paste, originated in China and quickly spread to other countries. There are now origami societies all over the world.

The first Origami Holiday Tree was created 14 years ago by Alice Gray, scientific assistant emerita in the Department of Entomology and president of the Friends of the Origami Center of America.

With the help of her friend, Lillian Oppenheimer (regarded as the "First Lady of Origami") and Museum volunteers, employees and folders from New York City, all the necessary decorations were folded. Mrs. Oppenheimer's Origami Center of America provided the folding diagrams and paper.

The tree will be on view through Jan. 6.



Pelicans are among the more than 1,500 paperfolded ornaments on the Origami Holiday Tree.

CHILDREN'S CHRISTMAS PARTY CELEBRATED

The Museum's annual Christmas Party for children of Museum employees was held on Wednesday, Dec. 17. The festivities began with a special holiday laser show in the American Museum-Hayden Planetarium Sky Theater. The second part of the celebration took place in the Hall of Ocean Life. Santa handed out presents to the children and listened as they told him what they wanted for Christmas. During the party, the children enjoyed refreshments and holiday treats.

The Christmas Party was organized by Ernestine Weindorf, assistant to the publisher of Natural History magazine. Photographs of the children will appear in the next issue of Grapevine.

FIVE TRUSTEES ELECTED TO BOARD OF AMERICAN MUSEUM

Five new members were elected to the American Museum's Board of Trustees.

The new trustees are: Jerome Kohlberg, Jr., founder and senior partner of the merchant banking firm of Kohlberg, Kravis, Roberts & Company; Marshall Manley, president and director of The Home Group, Inc., a financial services company; Frank A. Metz Jr., senior vice president, group executive and member of the corporate management board at IBM; Lawrence G. Rawl, president and chairman-elect of the board of directors of Exxon Corporation, and Mrs. Ottavio Serena di Lapigio, former chairman of the American Museum's Junior Committee.

Mr. Kohlberg is a member of the board of directors of Child World, Inc.; CNC Holding Corporation; Amstar Corporation; Union Texas Petroleum Holdings, Inc.; PACE Industries, Inc.; SCI Holdings, Inc., and BCI Holdings Corporation. He also serves as a trustee of Columbia University.

Mr. Kohlberg earned his B.A. degree at Swarthmore College, an M.B.A. at the Harvard Business School and a law degree at Columbia Law School.

Mr. Manley came to The Home Group from the firm of Finley, Kumble, Wagner, Heine, Underberg, Manley, Myerson & Casey, where he was a managing partner. He also serves as the chairman of the board of the Home Insurance Company, a division of The Home Group.

Mr. Manley is a director of General Development Corporation and chairman of the board of Sopac Financial Corporation and its subsidiary, Commerce Title Company. He is a member of the board of directors of DeLaurentis Entertainment Group, Inc., and the Hoover Group, and is a member of the Advisory Board of the Federal Home Loan Mortgage Corporation.

Mr. Manley earned his B.A. degree in 1962 at Brooklyn College. He received his law degree from New York University School of Law in 1965.

Mr. Metz joined IBM's Data Processing Division in Boston in 1955. He was elected IBM controller in 1978, and was elected IBM vice president in 1980, when he was also named assistant group executive for finance and planning of the General Business Group. He was ap-

pointed assistant group executive of plans and controls for the Information Systems and Communications Group in 1981.

Mr. Metz was named group executive of the Information Systems and Products Group in December, 1984, and was elected IBM senior vice president last November. He is a graduate of Bowdoin College, Maine. He also serves as vice chairman of St. Lukes Roosevelt Hospital and is a member of the board of directors of Allegheny Power Systems, Inc.

Mr. Rawl joined Exxon in 1952. Following several assignments with the Exxon Company, USA—Exxon's principal domestic affiliate—he was transferred to the corporation's Producing Department in New York in 1960.

In 1963, Mr. Rawl returned to Exxon USA and was named coordinator of planning and evaluation for the Production Department. He also served Exxon USA as general manager of the Supply Department and vice president of marketing before being named a director and vice president there in 1972. He became a senior vice president of Exxon USA in 1973 and executive vice president in 1976.

In 1978, Mr. Rawl was elected executive vice president and a director of Exxon's then regional oil and gas affiliate for Europe and Africa, Esso Europe Inc., London. In 1980, he returned to the corporation in New York as a senior vice president and director. He was named president of the corporation in 1985 and will assume the chairmanship on Jan. 1. He graduated from the University of Oklahoma with a degree in petroleum engineering.

Julia Serena di Lapigio is former chairman of the American Museum's Junior Committee, which she joined in 1983. In September, she was instrumental in establishing the Museum's Special Events Committee, of which she is cochairman. The Special Events Committee plans ticketed events. It recently presented a lecture program by Stephen Jay Gould, one of America's foremost authorities on evolutionary theory.

Mrs. Serena di Lapigio also worked as a volunteer in the Museum's Department of Anthropology from 1977 to 1983. She received a bachelor's degree in anthropology from the University of Pennsylvania and earned her master's degree in anthropology at Columbia University.

DONN E. ROSEN DIES IN NEW JERSEY

Donn E. Rosen, an internationally known ichthyologist, who was a curator and former chairman in the Museum's Department of Ichthyology, died on Sept. 22. He was 57.

Dr. Rosen specialized in the field of biogeography, the geographical distribution of organisms. He became renowned for his wide-ranging studies of fish phylogeny and classification. His theoretical studies helped advance cladistic systematics, the science of classifying animals and plants strictly according to their evolutionary relationships.

Dr. Rosen was primarily known for his research into the systematics and evolution of a group of live-bearing fishes. To collect specimens, he did extensive field work in the fresh waters of Central America.

He served as chairman of the Department of Ichthyology from 1965 to 1975, initiating the reorganization of a collection of half a million fishes. He was instrumental in tripling the size of the collection. Before joining the staff of the Museum in 1961, Dr. Rosen was assistant professor of biology at the University of Florida and assistant curator at the university's Florida State Museum.

His association with the Museum goes back to 1936, when he was seven and worked as a volunteer in the nature room after school and on weekends. When he was 14, he worked in the New York Zoological Society's fish genetics laboratory, which was then located in the American Museum.

Dr. Rosen won the Frederick Stoye Award in Ichthyology from the American Society of Ichthyologists and Herpetologists in



Donn E. Rosen

1952 and 1954. He was awarded the Leidy Medal of the Academy of Natural Sciences of Philadelphia in 1967.

He served as president of the Society of Systematic Zoology, and was elected a distinguished fellow of the American Society of Ichthyologists and Herpetologists and a foreign member of the Linnaean Society of London. Dr. Rosen was also a member of the Willi Hennig Society, which is devoted to furthering research in the general principles of biological systematics.

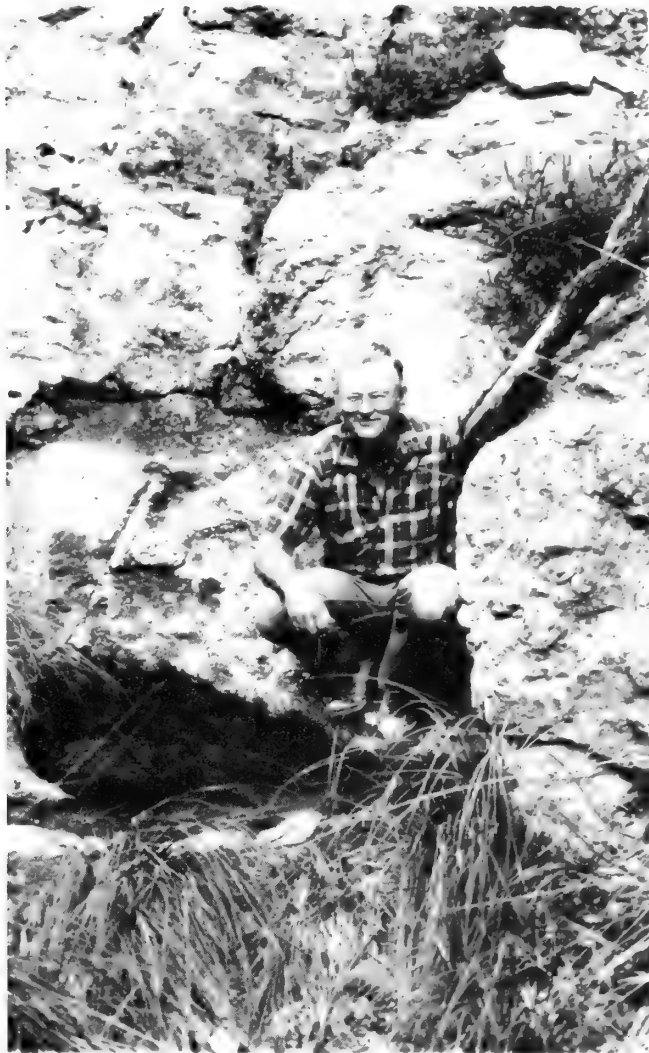
TWENTY-SIX YEARS LATER . . .



Then

The pictures above appear to be the same, but take a closer look. Both photographs are of Charles J. Cole, curator in the Museum's Department of Herpetology. They were taken near the Museum's Southwestern Research Station in Portal, Arizona, but the one on the left was taken in 1960, the other in 1986.

In the summer of 1960, Dr. Cole was a student in the Museum's Undergraduate Research Program as an assistant to Richard G. Zweifel, curator in the Department of Herpetology. Dr. Zweifel took the photograph of the young Dr. Cole in a canyon in the Chiricahua Mountains near the SWRS. Dr. Zweifel was conducting studies on



and now

the reproductive biology of frogs and toads in the Southwest, and on whiptail lizards.

The photo on the right shows Dr. Cole in the same spot 26 years later conducting his own research for the Museum on unisexual whiptail lizards.

The SWRS was established in 1955 and is the leading research station in the region. It is operating an inland biological field station which provides for long term studies by Museum curators. The station also serves as a study center for visiting scientists, student groups, naturalists and families.

MUSEUM TECHNICIAN WALTER C. SORENSEN RETIRES

Walter C. Sorensen, for whom a fossil coelacanth was named, retired in July as a senior technician in the Museum's Department of Vertebrate Paleontology. After serving in the Navy, he came to the Museum in 1950 as a specialist in the Vertebrate Paleontology laboratory.

Mr. Sorensen joined Drs. Edwin H. Colbert and Bobb Schaeffer, both of the Department of Vertebrate Paleontology, on numerous expeditions to the Rocky Mountain area and the southwest.

He was also active in the installation of the Museum's Hall of Early Dinosaurs, especially the series of *Brontosaurus* footprints.

Later, Mr. Sorensen worked extensively with fossil fish, carrying out the intricate extraction of the fossils from the materials in which they

were found.

In recognition of Mr. Sorensen's contribution to the department, Dr. Schaeffer named a fossil coelacanth, *Chinlea sorensi*, after him. The coelacanths were thought to be extinct, until in 1938 several were found alive off the coast of South Africa.

Mr. Sorensen came from a family of well-known preparators. Both his father, Carl Sorensen, and his uncle, Peter Kaisen, were noted for their outstanding work in the Department of Vertebrate Paleontology.

Mr. Sorensen lives in Monroe, N.Y., with his wife Lois. He plans to spend more time gardening and traveling throughout the United States.

C. LAVETT SMITH PUBLISHES WORK ON STATE'S INLAND FISHES

After 10 years of research, C. Lavett Smith, curator in the Department of Ichthyology, has written a definitive work on the inland fishes of New York State. The book examines New York's fishes and contains detailed identifications, distribution patterns, habitats, and life histories of 242 freshwater, migratory, estuarine and marine fishes.

"The Inland Fishes of New York State" contains the latest knowledge of fish distribution in New York," Dr. Smith said. "It is the culmination of the Biological Survey of New York waters which was conducted from 1926 to 1939."

During that period, the New York State Department of Environmental Conservation conducted a series of comprehensive aquatic surveys in all of the major watersheds in New York. Through the surveys, the status and distribution of fish, aquatic plants and invertebrates were investigated. World War II interrupted further work on these surveys.

After 40 years, the New York State Department of Environmental Conservation published the book which integrates historical and current research. The 523-page hardcover volume includes chapters on climate, land forms, glaciation, exotic species and fishery management.

Hundreds of drawings highlight anatomical features, and eight full-color pages depict some of New York's rare and colorful fishes. The book also emphasizes identification by means of comparative keys.



The Spotted Darter is described in the recently published "The Inland Fishes of New York State," by C. Lavett Smith, curator in the Department of Ichthyology. It is rare in New York, occurring only in French Creek, a tributary of the Alleghany River.

Each species account contains characteristics which help to distinguish among similar species. The book also has a list of historical scientific names and tables of measurements and references.

Dr. Smith earned his doctorate from the University of Michigan. Before joining the staff of the Museum, where he has been a curator for the past 24 years, he worked for the New York State Conservation Department and taught at the College of Guam and the University of Hawaii.

HERE AND THERE

ADMISSIONS CONTROL: Sharon Graham joined as part-time supervisor.

ANTHROPOLOGY: Helen Ingalls joined as assistant objects conservator. . . The new conservation assistant is **Sasha Stollman**. . . **Laura Lundenberg** is the new secretary. . . **Anibal Rodriguez**, Museum technician, and his wife, Lilian had a baby girl, Leanna, on July 31. . . **Priscilla Ward**, senior scientific assistant, retired on July 9. . . **Janet Strom**, assistant textile conservator, left after five years to attend Columbia University Graduate School. . . **Peter Kvietok**, exhibition and research assistant married Cristina Dueñas on Oct. 18. . . **Judy Levinson**, conservator, married John Oppenheimer on Sept. 7. . . **Ms. Levinson** and **Ms. Stollman** attended the Native Semi Tanned Conference at Santa Fe, on techniques in conserving leather, in June, and **Ms. Levinson** and **Marion Kaminitz**, assistant objects conservator, attended the First Ethnographic Conservation Conference "Symposium 86" at Ottawa in October. **Ms. Kaminitz** also attended the Fiber ID refresher course at the University of California at Berkeley in July.

BUILDING SERVICES: The new secretary is **Rebecca Moore**. . . **Maria Muriel** is the new Museum attendant guard. . . Promoted from Museum attendant guards to senior Museum attendant guards are: **Vasli Benjamin**, **Mohanlal Broodram**, **Marjorie Matthews** and **Christina Ramotowski**. . . **Brenda Stephens** was promoted from secretary to senior secretary. . . **Shirley Cubillo**, senior secretary, and her husband, Luis, had a baby, Vanessa Ann, on Sept. 23.

CONSTRUCTION: New Museum maintainers are: **Gerard Mandese** and **Joseph Shama**.

DEPUTY DIRECTOR/RESEARCH: Andrew Simon is the new scientific assistant.

DEVELOPMENT AND PUBLIC AFFAIRS: Connie Puswald, Public Affairs assistant, and her husband, Richard, became parents on Sept. 20, to 8 pound, 12 ounce, Maria-Cristina. . . Joining as Public Affairs associate is **William Goodman**. . . **Carol Ehler** and **Anne Dal Bellow** are new Development associates. . . **Mitzi Bhavnani**, manager of Volunteers and Information Desk Services, attended the Association for Volunteer Administration National Conference in Buffalo, and the Mid-Atlantic Association of Museums Annual Meeting in Scranton, where she chaired a workshop on volunteerism.

EDUCATION: Christopher Hoffman and Ann Prewitt are new

Museum instructors. . . **Alison Loerke** was promoted from Museum instructor to assistant coordinator for Junior High School Natural Science Programs.

ENTOMOLOGY: Joining as assistant curator is **David Grimaldi**.

EXHIBITION AND GRAPHICS: The new part-time projectionist is **Barbara Mullin**. . . **John Whitson** joined as exhibit designer. . . Joining as senior artist is **Lisa Lydestrom**. . . **Joyce Cloughly**, Museum preparator, has been project coordinator for three years on the Lord Stirling Manor Archaeological excavation, which was featured in the Oct. 6 issue of the New Brunswick (N.J.) Home News.

FINANCIAL OFFICE: William Hagan is the new investment bookkeeper.

GENERAL SERVICES: Carlos Castano was promoted from Museum attendant guard, Maintenance, to senior clerk.

ICHTHYOLOGY: Yu Liu is the new part-time research assistant. . . **Marion Morgan** joined as secretary.

LIBRARY: Joining as part-time Library assistant is **Margaret Fortune**. . . **Penelope Bodry-Sanders** was promoted from Film Project assistant to manager Special Collections. She attended the Film/Television Archives Advisory Committee meeting in Los Angeles, Oct. 15-18.

MICROPALEONTOLOGY PRESS: Charles DiBisceglie joined as Museum technician.

MINERAL SCIENCES: Gregory Cavallo is the new scientific assistant. . . Assistant curator **Demetrius Pohl** married Christine Carlson on Aug. 30, in Palo Alto.

MUSEUM SHOP: Five new part-time sales assistants are: **Mary Atienza**, **Jonathan Binns**, **Cheryl Lovinsky**, **Ricardo Munoz** and **Vida Thompson**. . . **Barbara Mathe** joined as part-time cash analyst. . . **Soo Lim** was promoted from part-time cash analyst to clerk.

NATURAL HISTORY MAGAZINE: Joining as assistant business manager is **Lee Ewing**. . . **Sarah Weiss** is the new part-time Membership Program assistant. . . The death in August of **Charles J. O'Connor**, a Membership supervisor from 1935 to 1955, is reported with sadness.

PLANETARIUM: Three new part-time sales assistants are: **Anna Gago**, **Audrey Marcus** and **Karen Mohammed**.

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DOES IT ... LATE

A. M. N. H. VOL. 44, NO. 1

"THE CHACO PHENOMENON" OPENS HERE IN MARCH

"The Chaco Phenomenon," an exhibition exploring the social, political and religious aspects of prehistoric Pueblo culture, will open in Gallery 3 on Friday, March 6. It will be on view through August 2.



This pitcher is characteristic of Chaco pottery. It has black-on-white geometric patterns and was made between 1100 A.D. and 1150 A.D.

The exhibition will examine the sophisticated and complex culture established by the Anasazi Indians, ancestors of modern Pueblo peoples. The Anasazi lived in the Chaco Canyon of northwestern New Mexico. Despite the meager resources of the desert environment, Chaco Canyon was the center of the Anasazi world. As many as 10,000 people may have lived there between 1075 A.D. and 1150 A.D.

The exhibition will present what anthropologists have learned over the past decade about Chacoan culture. Included will be more than 200 artifacts, some of which were excavated at Chaco during the American Museum-sponsored Hyde Expedition (1896-1900), and some of which were found later in this century.

The archeological collection derived from the Hyde Expedition is one of the primary resources in the contemporary study of Chacoan culture.

Among items will be turquoise-covered basketry, turquoise and shell jewelry, and black and white pottery. In addition,

lithographs of historical paintings, fiberglass replicas of masonry, and modern photographs will be presented.

The Anasazi Indians built stone apartment houses up to five stories high, which were the tallest buildings built in the United States until the industrial revolution. A system of more than 250 miles of well-engineered roads connected the canyon to the surrounding region.

Today, archeologists consider Chaco to have been a commercial and ritual center rather than a purely residential site. After more than 200 years of growth, the canyon was abandoned. Researchers believe that a combination of factors, including drought, inefficient use of resources, and internal discord may have led to Chaco's collapse.

The exhibition was prepared by the Maxwell Museum of Anthropology in Albuquerque. Some of the artifacts in the exhibition were loaned to the Maxwell Museum by the American Museum of Natural History at the time the exhibition was being developed.

The exhibition is supported by grants from the National Endowment for the Humanities, the University of New Mexico Foundation, the Maxwell Museum Association and Sante Fe Industries.

CITY OFFICIALS REOPEN MUSEUM'S MAIN ENTRANCE



Mayor Edward I. Koch cuts a ribbon during the ceremony reopening the American Museum's main entrance. With the Mayor as he wields the shears are: (left to right) Thomas D. Nicholson, director; Harrison J. Goldin, New York City Comptroller, and Charles A. Weaver, Jr., deputy director for administration. The entrance, a City landmark and State memorial to Theodore Roosevelt, had been closed since April, 1985, for restoration of its plaza and steps. After the ribbon cutting, the Mayor participated in the lighting of the Museum's annual Origami Holiday Tree in the Theodore Roosevelt Memorial Hall.

DAVID SCHWENDEMAN'S ARTISTRY IS EVIDENT THROUGHOUT THE MUSEUM

David J. Schwendeman, senior principal preparator in the Department of Exhibition and Graphics, whose skillful work can be seen in many of the Museum's halls, retired Jan. 30, after 27 years.

Mr. Schwendeman comes from a family of taxidermists. His father, Arthur J. Schwendeman, established Schwendeman's Taxidermy Studio in Milltown, N.J., in 1921. His son, David B. Schwendeman, is also a taxidermist.

Mr. Schwendeman plans to join his son in the family studio, and wants to travel and sculpt.

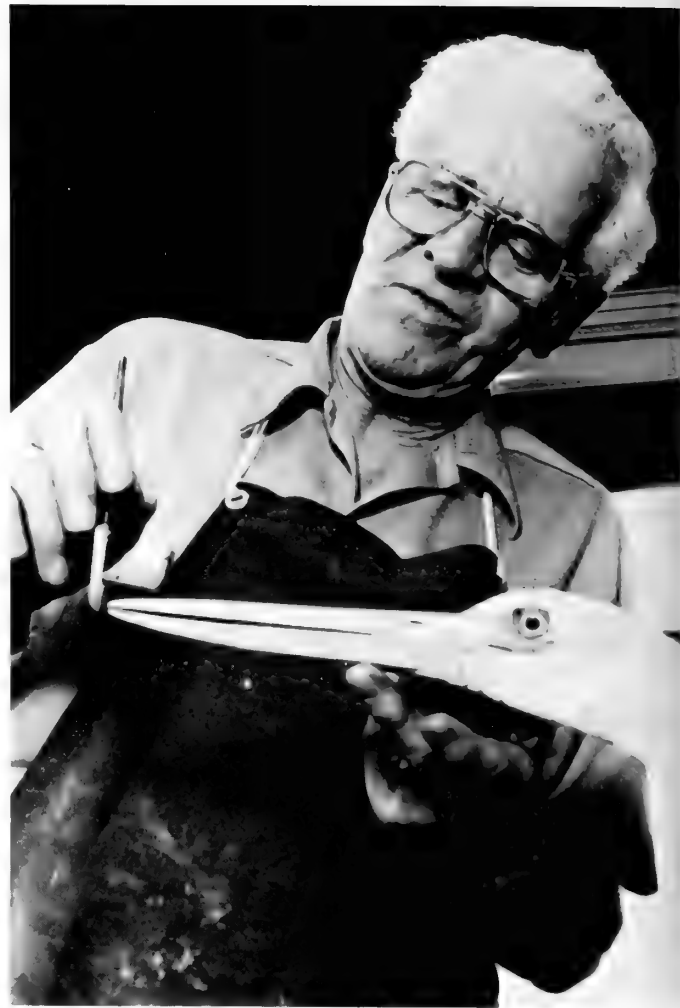
His expertise is very evident in the exhibit cases of the Hall of North American Mammals, the Hall of Mammals of New York State, the Sanford Memorial Hall of the Biology of Birds, the Hall of Birds of the World and the Hall of Ocean Life and the Biology of Fishes. Most recently he had focused on the new Hall of South American Peoples.

Mr. Schwendeman created most of the casts in the Hall of Reptiles and Amphibians, and is particularly proud of the eagles and snow geese he mounted in the Hall of North American Birds.

"Taxidermy requires that you know your animals and birds and be familiar with the live specimens to capture just the right look," he said. Being a taxidermist means being part scientist, carpenter, sculptor, chemist and artist, he added.

Mr. Schwendeman also worked on many of the American Museum's special exhibitions. He was in charge of the construction of the mammoth bone dwelling in the Museum's latest special exhibition, "Dark Caves, Bright Visions: Life in Ice Age Europe."

Over the years, many preparators have benefited from Mr. Schwendeman's expertise and have put his methods to use in their own work.



David J. Schwendeman restores a Great White Heron for the Museum's Sanford Memorial Hall of the Biology of Birds.

GORDEN R. REEKIE 1920-1987



Gorden R. Reekie, former chairman of the Museum's Department of Exhibition and Graphics, died of a stroke at Brighton General Hospital in England on Jan. 15. He was 67.

Mr. Reekie joined the Museum as a staff artist in 1953. He was manager of Exhibition and Construction from 1955 to 1959, and was chairman of the Department of Exhibition and Graphic Arts from 1959 to 1973.

Mr. Reekie was born in Bark-ing, Essex, England, and returned to England upon his retirement in 1973.

Under Mr. Reekie's supervision, new and existing halls were refurbished in an extensive exhibition rehabilitation program. Among the halls were: the Lindsley Hall of Earth History, the Hall of Ocean Life and the Biology of Fishes, the Hall of Man in Africa and the Hall of Mexico and Central America.

He served on the Advisory Boards of Natural History Press and Natural History Magazine. Mr. Reekie is survived by two nephews, David and Ian Reekie.

JEROME G. ROZEN, JR., STEPS DOWN AS DEPUTY DIRECTOR OF RESEARCH

For 15 years, Jerome G. Rozen, Jr., wore two hats at the Museum: deputy director of research and curator in the Department of Entomology. Effective Dec. 31, he resigned the former position to concentrate on the latter.

Dr. Rozen, the first scientist to hold the position of deputy director of research, was responsible for supervising the Museum's programs in research, collections management and undergraduate and graduate training.

During his tenure, the number of scientific departments was reduced by two, resulting in larger departments that are more efficient to manage; the Interdepartmental Facilities, providing staff with a Museum-wide computer system and a scanning electron microscope, was established; and the Grants and Fellowships Program and the Doctoral Training Program were developed.

Dr. Rozen did not neglect research during his decade-and-a-half as an administrator. Funded in part by the National Science Foundation, he continued his studies on the evolutionary relationships of bees, emphasizing immature stages of solitary and cleptoparasitic bees and their life histories.

Dr. Rozen plans to bring some of his research projects to completion and launch new ones that expand the use of non-traditional data—such as behavior and ecology—to solve phylogenetic problems.

**HOLIDAY FUN AT THE
CHILDREN'S CHRISTMAS PARTY**

There was plenty of holiday excitement at the Museum's annual Children's Christmas Party on Dec. 17.

The festivities began with a spectacular laser show performed to the music of the Beatles in the Hayden Planetarium's Sky Theater. After the show, some 400 children followed Santa to the Hall of Ocean Life where a holiday feast awaited. The menu called for 2,250 hot dogs, 30 gallons of ice cream, a mountain of cake and a sea of soda.

The children waited patiently to see Santa and received some early Christmas presents.



Kashi, 2, left, and Nels Hanson, 5, sons of Kay Zakariassen, picture editor of *Natural History* magazine, share the fun of their new jack-in-the-box.



Audrey Brown, godchild of Elsie Gutierrez, assistant in the Membership Department, enjoys her hot dog.



Aurora Nonas Barnes, 3-year-old niece of Sheila Greenberg, assistant manager of Volunteers and Information Desk Services, concentrates on her colorful drawing



Tasha Beltran, 5-year-old niece of Gene Augustin, senior technician in the Department of Mammalogy, hugs her new stuffed animal, a present from Santa

...AND THE PARTY CONTINUES



Neela, 5, left, and Vidya Boodram, 7, daughters of Mohanlal Boodram, senior attendant guard in Building Services, play their own game of hide and seek.



Rhonda Young, instructor in the Education Department with her daughter, Jenna, 8 months, one of the youngest guests at the party.



Party goers look on with awe as Alice Gray, scientific assistant emerita in the Department of Entomology, shows a crawling centipede



Derek Smith, 2-year-old nephew of Michael Epps, attendant guard in Building Services, is happy with his new stuffed animal

NEW EMPLOYEE CAFETERIA: MENU VARIETY AND STRIKING DECOR

The new employee cafeteria, located on the lower level between the 77th Street elevators and the children's lunchrooms, is scheduled to open within the next several weeks. The third staff cafeteria in the Museum's history, it will provide convenient hours and a varied menu in a pleasant setting.

The cafeteria will be open from 8:30 a.m. to 10:30 a.m. for breakfast, and 11 a.m. to 2 p.m. for lunch. It will be closed on Saturdays, Sundays and holidays.

Employees will be able to select from two daily specials, made-to-order sandwiches, and a salad bar with a choice of 16 items. Scales at the salad bar will make it possible to determine approximate cost before going to the cashier. All salads will be sold by the pound. At least 12 special "food theme" days will be held yearly.

Those preferring take-out, will be able to do so. However, china, flatware or trays cannot be taken out of the cafeteria. Bag lunches will be permitted.

Since the cafeteria is exclusively for employees, there will be no special discount. Prices will be moderate and competitive with neighborhood restaurants. Employees will continue to receive a 15 percent discount in the Food Express and a 10 percent discount in the American Museum Restaurant.

Nine backlit Mochi murals will complement the cafeteria's off-white walls, blue floor and black chairs. There will be a brick wall to provide texture and contrast.

The cafeteria will be air-conditioned and there will be smoking and non-smoking sections.

Identification will be required for entry and employees can bring guests.

PEDRO WYGODZINSKY, DISTINGUISHED ENTOMOLOGIST, DIES AT 70

Pedro W. Wygodzinsky, curator in the Museum's Department of Entomology, died Jan. 27, at a nursing home in Middletown, N.Y.



Pedro W. Wygodzinsky

He was a world authority on the systematics of a family of insects called assassin bugs, some of which are vectors for the parasite that causes Chagas' disease in millions of people and wild animals in South America.

Dr. Wygodzinsky was born in Bonn, Germany, in 1916. He joined the staff of the Museum as associate curator in 1962 and was promoted to curator in 1966.

He published more than 250 scientific papers, including "A Monograph of the Emesinae," the largest one ever published in the Museum's Bulletin series. It was a 614-page treatment of a group of assassin bugs.

His expertise extended beyond assassin bugs to include two unrelated insect groups also of interest to medical and applied entomologists—blackflies and silverfish.

In addition, Dr. Wygodzinsky was a skilled linguist who spoke English, German, Spanish and Portuguese fluently. His language abilities helped him introduce the work of Europeans, especially the German systematist Willi Hennig, to his colleagues in North and South America.

Dr. Wygodzinsky received his Ph.D. from the University of Basel, Switzerland, in 1941, and left wartime Europe to become an entomologist with the Agricultural Experiment Institute of the Ministry of Agriculture in Rio de Janeiro until 1948. He served as professor of entomology on the Faculty of Exact and Natural Sciences at the National University of Buenos Aires from 1959-1962. Dr. Wygodzinsky received an honorary doctorate from the University of La Plata in Argentina.

Dr. Wygodzinsky held two Guggenheim Fellowships, 1955-56 and 1960-61, that enabled him to come to the United States to do the research that culminated in his huge monograph on assassin bugs.

He was a member of the Entomological Society of America, the Society of Systematic Zoology, the New York Entomological Society, the New York Society of Tropical Medicine, and a corresponding member of the Brazilian Academy of Sciences.



Employees in the Construction Department, from left, Frank Martusciello, John Slevin and Robert Bradshaw, lift one of the nine Mochi murals that will be mounted on the walls in the new employee cafeteria. In the rear left corner, one of the murals already hangs in place.

NEW COMPUTER SYSTEM SPEEDS ICHTHYOLOGY RESEARCH PROJECT

It used to take Michael L. Smith about 50 minutes to collect data from a single specimen. Dr. Smith, Kalbfleisch Assistant Curator in the Department of Ichthyology, studies the evolution of form in the fish family Goodeidae and his research requires that he make more than a dozen measurements of lengths on a fish's body.

As a graduate student at the University of Michigan, Dr. Smith could only measure a handful of fish in an afternoon using calipers, the standard tool of zoologists.

But today, thanks to a computer digitizing system and custom-designed software, Dr. Smith can process 15 or more fish in the time it used to take him to do one.

Moreover, specimen conservation is enhanced since each fish is out of preservative for only a few seconds.



Michael L. Smith, Kalbfleisch Assistant Curator in the Department of Ichthyology, uses a timesaving computer digitizing system to measure fish.

Digitizers were originally developed for industrial use, for example, in helping auto-makers design cars. Dr. Smith is only the second biologist to have the system, though he says many others are planning to acquire it.

Beyond the personal computer that is on most scientists' desks, the major requirements are the digitizing board, the program, something to produce the image, such as a video camera or microscope, and a high-quality monitor to view the image.

To measure a fish, Dr. Smith first puts several pins in it, to mark obscure landmarks as well as to help keep the specimen in one plane as it is being measured. He puts the fish on a stage under the camera and manipulates the lights and lens to produce a good picture on the screen. He then "grabs a frame." He can then return the fish to storage and work directly with the image on the monitor.

When Dr. Smith worked with calipers, he marked only essential landmarks to minimize time handling the fish. Now, he includes extra landmarks so that he will be able to obtain unforeseen measurements without retrieving the specimen.

Another benefit of this system is that it permits researchers in other cities to examine American Museum specimens without coming to New York or risking shipment of a fragile specimen.

Dr. Smith's research and the use of the digitizer is funded by the National Science Foundation.

MUSEUM EMPLOYEES UNITE TO HELP THOSE LESS FORTUNATE

Employees of the American Museum dug extra deep to make the 1986 United Way Campaign an outstanding success.

Funds raised totaled \$11,770. More than 60 percent of the Museum staff participated in this year's campaign. The average donation per individual was \$35, and approximately 50 percent of the employees chose to make their donations through payroll deductions.

"Everyone involved in this year's campaign, from the department coordinators on, made a tremendous effort to ensure its success," said Kenneth Chambers, assistant chairman of the Department of Education and chairman of the 1986 campaign. "The United Way is always grateful to the Museum family for its generous contributions."

The homeless, single parents, troubled teens, the elderly and abused children are just a few of the groups aided with funds raised at the American Museum. More than 1,600 agencies in the tri-state area are supported by the United Way.

HERE AND THERE

ANTHROPOLOGY: Linda Garofalini joined as Museum technician. . . New part-time textile conservators are Mary Meade and Janet Strom.

BUILDING SERVICES: Carol Grant was promoted from Museum attendant guard to assistant manager. . . Promoted from Museum attendant guard to senior Museum attendant guard are Nicanor Diaz and Joan Olsen.

DEPUTY DIRECTOR FOR ADMINISTRATION: Barbara Jacob is the new internal auditor.

DEVELOPMENT AND PUBLIC AFFAIRS: A team of Museum volunteers assisted with research on bryozoans and the project was nominated for the 1986 Mayor's Volunteer Service Awards Program. Judith Winston, associate curator in the Department of Invertebrates, accepted a certificate from Manhattan Borough President David Dinkins on behalf of the Museum's Volunteer Basic Research Support Team.

EDUCATION: Eulalee Thompson is the new senior secretary. . . Joining as secretary is Karen Lund.

EXHIBITION AND GRAPHICS: Alex Madoff, Robert Richardson and Vineta Sylvester were promoted from intern preparator to preparator. . . The new part-time projectionist is Charles Dishian.

GENERAL ACCOUNTING: Jose Bariso joined as clerk.

GENERAL SERVICES: Lidya Cobo was promoted from senior Museum attendant guard, in the Maintenance Department, to senior clerk.

MUSEUM SHOP: Joining as operations manager is Craig Neglia. . . New part-time sales assistants are Noel Guerrero and Catherine Velos. . . Della Jordan was promoted from part-time sales assistant to full-time sales assistant.

NATURAL HISTORY MAGAZINE: Mary Moore was promoted from secretary to publications assistant. . . Renee Bacher is the new editorial assistant. . . Joining as Membership associate is Donna Bell. . . Jennifer Scott is the new part-time Membership assistant.

PLANETARIUM: Joining as astronomical writer/producer is Clinton Hatchett.

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MARCH/APRIL 1987

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A. M. N. H.

VOL. 44, NO. 2

NORMAN NEWELL RECEIVES AAAS SCIENTIFIC FREEDOM AND RESPONSIBILITY AWARD



Norman D. Newell offers some remarks upon accepting the 1987 Scientific Freedom and Responsibility Award from the AAAS as corecipients Francisco Ayala and Stanley Weinberg listen.

Before the words "creation" and "science" were inexorably linked into the oxymoron "creation-science," Norman D. Newell, curator emeritus in the Department of Invertebrates, strove to identify and publicize the unscientific nature of so-called scientific creationism.

At the recent annual meeting of the American Association of Science in Chicago, Dr. Newell was presented the association's 1987 Scientific Freedom and Responsibility Award for "his early and persistent campaign to alert scientists to the importance of public understanding of the theory of evolution and to the threats creationism poses to academic freedom and scientific education."

Dr. Newell shared the award with two others who have helped promote the scientific theory of evolution. Francisco Ayala, a geneticist at the University of California, Davis, was honored "for speaking out forcefully on the scientific basis for the theory of evolution"; Stanley Weinberg, a New Yorker who organized the Committees of Correspondence, state-based groups that respond quickly to local threats from creationists, was honored "for his leadership in mobilizing local opposition among scientists and teachers" to the creationist challenge.

The AAAS Prize recognizes scientists and engineers who have:

- * acted to protect the public's health, safety or welfare; or
- * focused public attention on important potential impacts of science and technology on society by their responsible participation in public debates; or
- * established important new precedents in carrying out the

social responsibilities or in defending the professional freedoms of scientists and engineers.

Long before a spate of books written by evolutionists appeared challenging the creationist view, Dr. Newell wrote and lectured about the dangers of creationist inroads into school boards and textbooks. He alerted his colleagues to the importance of responding to, rather than ignoring, creationists.

In remarks made at the Chicago meeting, Dr. Newell said his concern has been "that we need to provide the general public with the essential knowledge to understand the difference between science and the pseudoscience of the creationists.

"Students should be equipped to question unsupported assertions to demand verifiable evidence, to be alert for slanted reporting, and to identify fraudulent claims."

Among the Ph.D. students Dr. Newell influenced are Niles Eldredge, now chairman of the Department of Invertebrates; Stephen Jay Gould, professor of biology, geology, and history of science at Harvard, and John Byrne, president of Oregon State University.

Dr. Newell's research has included work on the evolution of fossil and living bivalves and coral reefs, and on worldwide mass extinctions. He will be continuing his research this summer in Wyoming and Nevada where he will collect fossil bivalves.

TRUSTEE WILLIAM GOLDEN IS PRESIDENT-ELECT OF NEW YORK ACADEMY OF SCIENCES

William T. Golden, a Museum trustee and vice president, was recently elected 1987 president-elect of the New York Academy of Sciences. He will become president of the academy in 1988.

Mr. Golden was elected by members of the academy, who are scientists, engineers and other people with a strong interest in the advancement of science. The academy has 53,000 members from all 50 states and 84 countries.

In an election statement, Mr. Golden wrote: "Public awareness of the harmonious interrelationships of science and technology with the arts and with the humanities expands our responsibilities and creates opportunities for creative leadership."

Mr. Golden has been active for more than 30 years in promoting the public understanding of science. In addition to his service to the Museum and the New York Academy, he served as a special consultant to President Truman on scientific matters, continues as a director and treasurer of the American Association for the Advancement of Science, and is vice chairman on the Mayor's Commission for Science and Technology.

OUTSTANDING MOSAICS TO HIGHLIGHT CARTHAGE EXHIBITION NEXT WINTER

"Carthage must be destroyed," was the way Cato the Censor concluded every speech to his fellow Romans after a diplomatic visit to the North African city left him feeling threatened by its vast resources.

Cato's countrymen agreed, and when Carthage fell to Roman forces in 146 B.C., during the Third Punic War, the population was decimated, the city was razed to the ground



"Lady of Carthage" mosaic, circa 400 A.D., is from a room in a Carthaginian house. The head is surrounded by a nimbus, a symbol of divinity.

and the earth was salted in the hope that nothing would ever rise there again.

But Carthage could not be destroyed, and the city and its successive cultures will be the focus of a major special exhibition that will premiere in Gallery 3 at the Museum next winter.

Enormous brightly colored mosaics, outstanding Roman bronzes and a collection of rare Punic jewelry will be exhibited with 300 other pieces, many to be seen by the public for the first time.

The final agreement for bringing the artifacts to the United States was reached between the participating institutions in Tunis in early January. It was announced at a reception and dinner given at the residence of Gordon S. Brown, U.S. Charge D'Affairs in Tunisia. Attending were Director Thomas D. Nicholson; Abdelhak Lassoused, Chef de Cabinet of the Tunisian Ministry of Cultural Affairs; M'hamad Fantar, director of the Tunisian National Institute of Archaeology and Art; Aicha Ben Abed, director of the Musee de Bardo, and other Tunisian and United States embassy officials.

"Carthage: A Mosaic of Ancient Tunisia" will be produced by the American Museum in cooperation with the Tunisian National Institute of Archaeology and Art, the Musee de Bardo of Tunis and the Tunisian Museums of Sfax and Sousse. The National Endowment for the Humanities has awarded a



"Tiger Attacking Two Onagers," is considered a mosaic masterpiece. It was made between 150 and 200 A.D.

\$224,500 grant to the Museum for implementation of the exhibition.

David Soren, professor in the Department of Classics at the University of Arizona, will be guest curator for the exhibition. Dr. Soren is a specialist in Roman art and archeology as well as Greek archeology. He has excavated extensively in Tunisia and unearthed some of the artifacts in the exhibition. David Hurst Thomas, curator in the Anthropology Department, is the coordinator of the exhibition.

"Carthage: A Mosaic of Ancient Tunisia" will depict the region as a center of culture, history and art, a role that has only recently been established after 15 years of international excavations in the area.

Among the items that will be exhibited are 17 of the world's most outstanding pictorial mosaics—the largest approximately 27 feet long and six-and-a-half feet wide—that provides a visual record of life in the region from the first to the fourth centuries A.D.

The exhibition will illustrate the civilization of the Carthaginians from 800 B.C. to the beginning of the Islamic period after the sixth century A.D. While the histories of Phoenicia, Greece and Rome have been well documented, little is known in the English-speaking world of the artistic, cultural and aesthetic influences of these cultures on North Africa. Distinct art forms developed in Tunisia due to interaction of the peoples of these cultures with the native peoples of North Africa.



Members of New York's city council and state legislature were treated to a demonstration of traditional Senegalese dance by the troupe "Drum and Spirit of Africa Society," during Legislators Night at the American Museum in January. The group was one of several performers in the Charles A. Dana Education Wing, providing guests with examples of the many innovative and diverse types of programs offered through the Department of Education. Some 90 elected officials and their families and guests enjoyed a buffet supper in the Hall of Northwest Coast Indians. The evening's highlights included a performance by the Philippine Dance Company, that enabled spectators to test their fleet-footedness during a Philippine stick dance, and lessons by Japanese calligrapher Jomyo Noriaka Tanaka providing guests with a different perspective on how to sign their names.

NEW PLANETARIUM SHOW INTRODUCES AUDIENCES TO WONDERS OF THE UNIVERSE



An icy alien landscape and a magnificent globular star cluster are two of the wonders featured in the Hayden Planetarium's new show, "The Seven Wonders of the Universe."

Have you ever wondered what it might be like to travel to an enormous black hole where tens of millions of stars have collapsed and no light can escape? Well, that's just one of the places audiences can journey during the American Museum-Hayden Planetarium's new Sky Show, "The Seven Wonders of the Universe."

The show begins with a historic trip back in time to review the Seven Wonders of the Ancient World, from the Hanging Gardens of Babylon to the Great Pyramid at Gizeh.

Today, however, we know a world far larger than that known to ancient civilizations. Through advances in astronomy and space science, an entire universe of wonders has been opened to us. In "The Seven Wonders of the Universe," the greatest of these phenomena are explored.

The audience experiences what it would be like to travel around Saturn, suspended within one of its rings, and descends to the surface of a satellite of Jupiter where the largest volcanoes in the solar system are erupting.

Following these planetary spectacles, the audience travels beyond our solar system to explore the Milky Way's dynamic core, supernovas and enormous clusters of hundreds of thousands of stars called globulars.

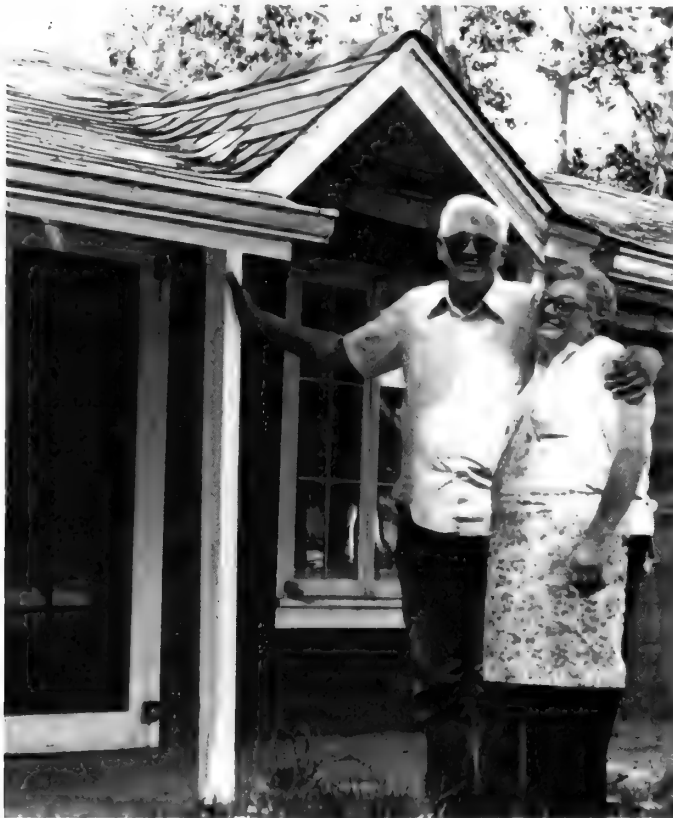
Narrated by Burt Lancaster, the 45-minute program can be seen weekday afternoons at 1:30 p.m. and 3:30 p.m. and weekends every hour from 1 p.m. to 5 p.m., with an extra performance at 11 a.m. on Saturdays.

Another new show at the Planetarium is "Laser Genesis." It features dazzling laser visuals performed to the music of Genesis, Phil Collins, Peter Gabriel, Mike Rutherford and Tony Banks.

"Laser Genesis" is shown on Friday and Saturday evenings, at 7:30 p.m., 9 p.m. and 10:30 p.m.

DYNAMIC COUPLE RETIRES FROM MUSEUM'S SWRS AFTER 18 YEARS

Anyone who has visited the Museum's Southwestern Research Station in Portal, Arizona, is probably familiar with Joe Remington's handywork and his wife, Gennie's fine cooking.



Mr. and Mrs. Remington in front of their former home at the SWRS.

Mr. and Mrs. Remington, who have been married for 43 years, retired as maintenance person and cook on Dec. 31, after 18 years. They served in their positions longer than anyone else had since the SWRS opened in 1955.

Mr. Remington's expertise ranged from repairing small appliances to installing new plumbing.

Mrs. Remington, who was known for her innovative menus, could prepare a superb chile relleno casserole. She was also quite adept at canning and preserving.

Mr. and Mrs. Remington, natives of Michigan, moved to Arizona in 1965 and joined the SWRS in 1968.

They have purchased a townhouse in Tuscon and plan to travel throughout the United States.

VOLUNTEER PROGRAM RECEIVES GENEROUS SUPPORT

The Museum has established a special fund to support the general operation, programs and projects of the Volunteer Office. The fund was created anonymously by significant contributions from two volunteers in appreciation of the "outstanding services rendered by Museum volunteers."

"The contributions will support the activities of the volunteer program both in the short-term and in the future," said Mitzi Bhavnani, manager of volunteers and information desk services. "We are grateful to the donors for their generous gifts. Most people see only volunteers at the information desks or leading Museum Highlights Tours, but there are more than 500 volunteers involved in almost every aspect of the Museum's work. The creation of this special fund is just another outstanding example of the dedication of volunteers to the Museum."

It is the donors' hope that their support will encourage others to contribute to the volunteer program in recognition of the important role volunteers play at the Museum.

HERE AND THERE

ADMISSIONS CONTROL: **Pirro Ayala** joined as part-time cash analyst.

ANTHROPOLOGY: The new scientific assistant is **Joseph Jimenez**. . . **Jill Helman** was promoted from part-time curatorial assistant to curatorial assistant. . . **David Hurst Thomas**, curator, and his wife, **Lorranne Pendleton**, curatorial assistant, became the parents of David Hurst Thomas III, born on Dec. 26.

BUILDING SERVICES: **Martha Meegan** was promoted from assistant manager to senior assistant manager. . . New Museum attendant guards are: **Tadeusz Benkowski**, **Edison Costa**, **Elvin Eggleston**, **Edward Levens**, **Dorian Martinez**, **Buenaventura Morales**, **Britta Ortega-Allam**, **Carl Woodbury** and **Hamdi Yuksel**.

DEVELOPMENT AND PUBLIC AFFAIRS: **Maureen MacLellan** is the new Development secretary.

EDUCATION: **Janet Greeley** is the new part-time People Center supervisor. . . The new senior clerk is **Audrey Halpern**.

EXHIBITION: New intern preparators are: **Robert Muller**, **Aaron Tyler** and **Antonia Weschler**. . . **Arlene Jangaard** was promoted from senior preparator to exhibition maintenance coordinator.

ICHTHYLOGY: **Jennifer Spielman** joined as

secretary. . . **Marian Morgan** was promoted from secretary to senior secretary.

INVERTEBRATES: The new curatorial assistant is **Jaqueline O'Connor**.

LIBRARY: Joining as part-time library assistants are **Judith Box** and **Karen Offitzer**. . . **Valerie Wheat** is the new assistant librarian for Reference Services

MAINTENANCE: New Museum maintainers are **Donald Coffel** and **Norman Greenaway**. . . Joining as assistant Museum maintainer is **Steve Opiela**.

MUSEUM SHOP: **Donna Smith** is the new part-time sales assistant.

NATURAL HISTORY MAZGAZINE: Joining as advertising production coordinator is **Laurie Vetrano**. . . **Barbara Brown** is the new part-time Membership desk assistant. . . **Amado David** joined as part-time Membership Office assistant. . . The new secretary is **Barbara Fisher**.

PLANETARIUM: **Noel Guerrero** was promoted from part-time sales assistant to assistant manager.

SOUTHWESTERN RESEARCH STATION: Joining as cook is **Patricia Grogan**. . . The new maintenance person is **Kevin Concagh**.

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American
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MAY/JUNE 1987

JUN 19 1987

A. M. N. H.

VOL. 44, NO. 3



Preparators Rob Muller and Bob Richardson sculpt and paint new fish models for the Hall of Ocean Life.

NEW EXHIBITION MAINTENANCE SECTION IS FORMED

The Exhibition Maintenance Section, a new division of the Department of Exhibition and Graphics, has been established to maintain the Museum's permanent exhibits on a regularly scheduled basis.

"Exhibit maintenance has always been performed on an as-needed basis by the Department of Exhibition and Graphics. Now, the Exhibition Maintenance Section has been organized to perform regularly scheduled maintenance," said George S. Gardner, chairman of the Department of Exhibition and Graphics.

Arlene R. Jangaard has been appointed exhibition maintenance coordinator. She is assisted by two Museum preparators, Bob Richardson and Rob Muller.

The Exhibition Maintenance Section is involved in activities which include cleaning diorama interiors and glass, repairing broken mounts which support artifacts, and installing updated label copy.

The Exhibition Maintenance Section has already sculpted fish models in the Hall of Ocean Life, and repaired other fish models in the Hall. They have also installed new glass ports in the circular exhibit cases dealing with Bioluminescence (the emission of light without heat by living organisms) in the Hall of the Biology of Invertebrates.

Upcoming maintenance projects include the restoration of diorama murals in the Hall of North American Forests and the Hall of South Asiatic Mammals, as well as the refurbishment of dioramas in the Hall of Ocean Life and the Biology of Fishes.

WILLIAM MURRAY ELECTED TO THE BOARD OF TRUSTEES

William Murray, vice chairman of Philip Morris Companies Inc., has been elected to the Museum's 46-member Board of Trustees. The announcement was made by President Robert G. Goelet.

Mr. Murray had served as president and chief executive officer of Philip Morris International since December, 1983. He had been a vice president of Philip Morris Incorporated since February, 1976, and a vice president of Philip Morris International since September, 1974.

Mr. Murray joined Philip Morris in July, 1970, as manager of finance for Philip Morris Europe in Lausanne, Switzerland, and was named acting director of finance shortly thereafter. Mr. Murray also served as vice president of finance at Philip Morris International in New York, and director of finance at Philip Morris Incorporated.

He was appointed vice president (Canada) and, in October, 1974, was elected president of Benson & Hedges (Canada) Limited. In November, 1978, Mr. Murray was appointed president of Philip Morris International; and from December, 1975, to January, 1982, he served as president of Philip Morris Europe/Middle East/Africa.

Before joining Philip Morris, Mr. Murray served as head of the internal audit division of the United Nations Relief Works Agency headquartered in Beirut and as head of the budget division of the International Labor Organization in Geneva.

Born in Cooma, Australia, Mr. Murray is a member of the Institute of Chartered Accountants in Australia.



At dinner in the Hall of Oceanic Birds, Director Thomas D. Nicholson, himself a member of the Quarter-Century Club, welcomes the new members.

SIX EMPLOYEES JOIN QUARTER-CENTURY CLUB

At a festive reception and dinner April 28, six Museum employees were welcomed to the Quarter-Century Club by nearly 100 club members and friends.

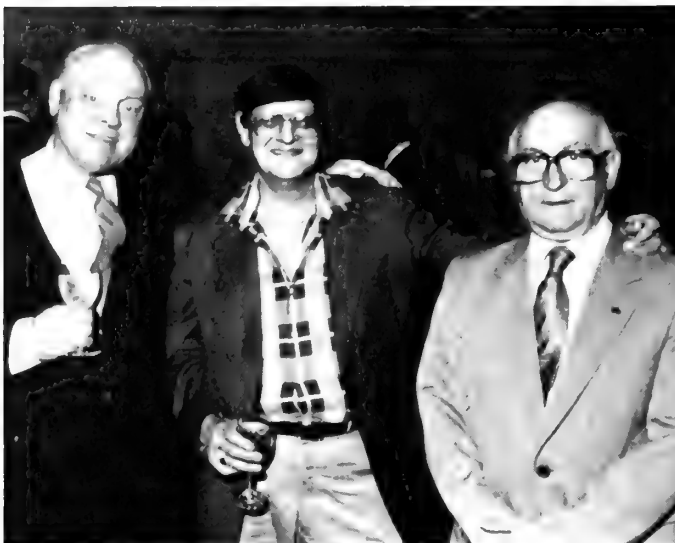
There are now 204 members in the club, which honors those who have worked 25 years or more at the Museum. The annual recognition dinner is a chance for many of the retired members to renew friendships and for everyone to honor the new inductees.

The six new members are: Thomas J. Page, art editor of *Natural History*; Farrell F. Carney, administrative assistant in the Museum Shop; Jean M. Augustin and Steven Medina, senior museum technicians in the Department of Mammalogy; William Schiller, senior museum instructor in the Department of Education, and Edna E. Szmodis, senior clerk in the Department of Education.

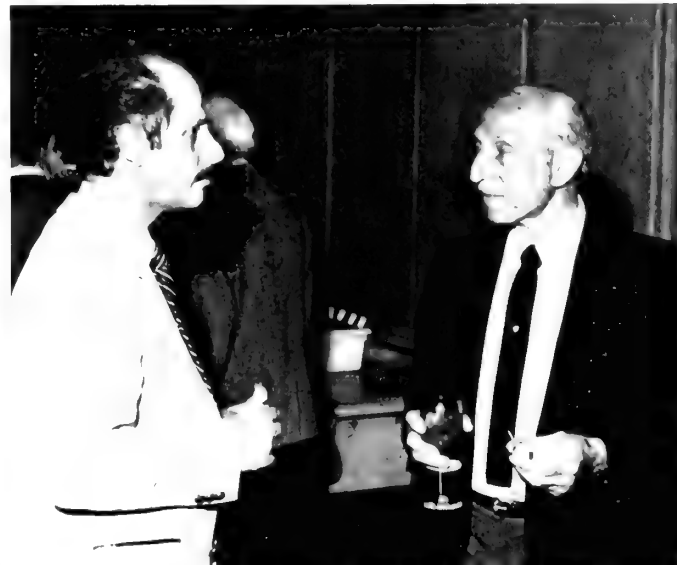
After a reception in the Theodore Roosevelt Memorial Hall, members and guests who attended the event had dinner in the Hall of Oceanic Birds and heard Director Thomas D. Nicholson and President Robert G. Goelet welcome the new members.



Retired 25-year club member Robert J. Daly, left, who was a senior Museum technician in General Services, greets new member Jean M. Augustin.



From left Members Melvin Hinckley, senior Museum technician in the Department of Invertebrates, Vito Melito, senior attendant guard, and August Corradini, retired senior attendant guard, remember old times



Senior Museum Technician Michael Cigliano, left, who was inducted last year, talks with member Albert Potenza, who retired from Building Services.



Marjorie M. Ransom, supervising museum instructor in the Department of Education, left, helps colleague and new member Edna Szmodis celebrate.



New member Steven Medina, right, enjoys a moment with Arthur E. Scharf, retired electrician in the Department of Exhibition.

LONDON SYSTEMATICS CONFERENCE DRAWS MUSEUM SCIENTISTS

Under Darwin's gaze, in the building where, in 1858, Charles Darwin and Alfred Russell Wallace first presented the theory of evolution by natural selection to a meeting of the Linnean Society, Museum scientists participated in a March conference on "The Phylogeny and Classification of the Tetrapods."

The London conference was the first at which practitioners of cladism—a systematic philosophy that uses advanced rather than primitive characters to group species—assembled to discuss tetrapod phylogeny.

Tetrapods are four-limbed, air-breathing animals: amphibians, reptiles, birds and mammals, including a host of extinct forms. Although some groups are well studied, many uncertainties exist about the broad relationships among the groups.

American Museum scientists from the Department of Vertebrate Paleontology addressed such questions as, Where do turtles fit in? How do the orders of mammals fit together? How good is the bird-dinosaur link? (Very good, it seems.) How are the groups of carnivores related?

None of the uncertainties were completely resolved. But the meeting allowed scientists who study these groups to present their phylogenies (hypotheses about patterns of relatedness) in one place.

Eugene S. Gaffney, curator in the Department of Vertebrate Paleontology, said of the conference that it was "as if everybody who has been studying one letter of the alphabet finally decided to get together and do a dictionary."

MUSEUM VOLUNTEERS ARE HONORED DURING NATIONAL VOLUNTEER WEEK

Red ribbons in the shape of a "V" were worn with pride the last week in April by the 567 volunteer employees of the American Museum. The period was proclaimed National Volunteer Week for the State of New York by Governor Mario M. Cuomo.

National Volunteer Week recognizes the contributions made by millions of volunteers throughout the United States.

"The quality of American life is significantly enhanced through the generous and dedicated efforts of volunteers in their service to others," said Governor Cuomo in his proclamation.

To show American Museum support for National Volunteer Week, Director Thomas D. Nicholson (who himself wore a red "V" ribbon) praised "the time, talent and energy" of the Museum volunteers in a letter sent to each one.

"More of you than ever are supporting the Museum's goals in education, scientific research and exhibition," Dr. Nicholson said. He also recognized the 112 volunteers who have dedicated more than 1,000 hours in service to the Museum.

Museum volunteers assist in all departments, using their talents in scientific and administrative offices on activities from cleaning and rearranging specimens to indexing and filing reports and letters in departmental archives.

They also work as teaching volunteers for the Department of Education, give Museum Highlights Tours, staff the Information Desks and act as salespersons at the "Museum Shop On 4."

"All Museum volunteers share an enthusiasm for the Museum and a desire to work toward helping it function smoothly and effectively," said Mitzi Bhavnani, manager for Volunteers and Information Desk Services. "They are a wonderful group to work with."

ERNST KIRSTEUEER, CURATOR IN INVERTEBRATES, TO RETIRE

Ernst Kirsteuer, curator in the Department of Invertebrates, will retire from the Museum at the end of June. Dr. Kirsteuer and his wife, Erika, will move to the old farmhouse in the northern Catskills they have been refurbishing at every opportunity for the last eight years.

Since coming to the Museum 22 years ago, Dr. Kirsteuer has studied the systematics and ecology of marine worms, especially a phylum known as the nemerteans or proboscis worms.



Ernst Kirsteuer

The phylum contains about 800 species, ranging in length from one millimeter to 30 meters. Most nemerteans are small, hard to dissect, and lack easily recognizable hard parts. Dr. Kirsteuer studied the worms by, as he described it, "microsectioning the whole worm, like a sausage," putting the slices on a microscope slide and then drawing the internal anatomy of each slice.

He then reconstructed the worms slice by slice to gain a better understanding of the structure and anatomy of the internal organs.

Dr. Kirsteuer has published more than 30 scientific papers in such journals as *Marine Biology*, *Zoologica Scripta*, *Smithsonian Contributions to Zoology*, *Zoologischer Anzeiger* and *Mikrofauna des Meeresbodens*. An active field researcher, Dr. Kirsteuer has participated in and led numerous expeditions to such areas as the Adriatic, Red and Caribbean Seas, and the Indian Ocean. He has done considerable work in Belize (formerly British Honduras).

He has also served as a consultant on such projects as the development of the Coral Reef Study Program in India in 1969 and International Biological Program survey of littoral communities in Tunisia.

He is a member of the American Society of Zoologists, the Society of Systematic Zoology, the Biological Society of Washington, the International Association of Meiobenthologists and the Corporation of the Bermuda Station for Research.

Dr. Kirsteuer, whom colleague and Senior Scientific Assistant Sidney S. Horenstein characterized as "equally intense fixing the roof on his barn or working on his research," was chairman of the Department of Invertebrates from 1977 to 1984.

HERE AND THERE

ADMINISTRATION: **Barbara Ann Jacob** was appointed internal auditor.

ANTHROPOLOGY: The new scientific assistant is **Jaymie Brauer**. . . **Melanie LeMaistre** was promoted from part-time curatorial assistant to Museum technician. . . **Sasha Stollman** was promoted from conservation assistant to assistant objects conservator.

DEVELOPMENT AND PUBLIC AFFAIRS: **Maureen MacLellan** was promoted from secretary to senior secretary in Development. . . **Laura Mogil** joined as public affairs associate. . . **Erin McGrath** is the new public affairs assistant. . . **Naomi Weinstein** was promoted from senior secretary to guest services assistant. . . **Sheila Greenberg**, assistant volunteer manager responsible for the Museum Highlights Tour program, attended the National Docent Symposium at the Toledo Museum of Art in March. . . **Mitzi Bhavnani** has been appointed to the Steering Committee for the first Statewide Conference on Volunteerism sponsored by the New York State Voluntary Enterprise Commission. . . **Margaret Fretz** was promoted from part-time information desk supervisor to assistant volunteer manager responsible for evenings and weekends.

DIRECTOR'S OFFICE: **Walter Kenworthy** is the new executive assistant to the director.

ENTOMOLOGY: Joining as scientific assistant is **Darlene Judd**.

EXHIBITION: **Eugene Bergmann**, senior exhibit designer, wed **Allison Morgan** on March 14. They honeymooned in Washington. . . Two new intern preparators are **Lucy Hobbie** and **Debra Malian**. . . **Lowell Dingus** joined as exhibition coordinator. . . The new casting coordinator is **Dorman Allison**. . . **Ivy Rutzky** was promoted from casting assistant to Museum technician.

GENERAL ACCOUNTING: **Joy Gentile** joined as the new clerk.

HERPETOLOGY: **Michael Klemens**, senior scientific assistant, was appointed by the City Council of Rye, N.Y., to the Rye Conservation Commission.

LIBRARY SERVICES: Joining as part-time library assistant is **Janique Helson**. . . **Faye Jackson** is the new senior secretary. . . **Eileen Burgess** was promoted from senior clerk to supervising clerk.

MINERAL SCIENCES: Joining as assistant curator is **Edmond A. Mathez**.

MUSEUM SHOP: Three new part-time sales assistants are **Melissa Dudley**, **Norma McQueen** and **Wayne Sinhart**.

PLANT OPERATIONS: Joining as assistant manager of Building Services is **Richard Homere**. . . New Museum attendant guards in Building Services are **Andrew McEachern** and **Margaret White**. . . **Ismet Francisque** is the new Museum maintainer in Construction. . . **Franklin Russo** joined as Museum maintainer in Maintenance. . . Two new Museum attendant guards in Maintenance are **Campo Pabon** and **Felipe Choquepuma**. . . **Higinio Justiniano** was promoted from assistant Museum maintainer to Museum maintainer in Maintenance. . . Promoted from senior Museum attendant guard to supervising clerk in Maintenance is **Howard Paige**.

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VOL. 44, NO. 4

GARETH NELSON ELECTED TO THE LINNEAN SOCIETY OF LONDON



Gareth J. Nelson

Photo credit: T. Westenberger/Sygma

Gareth J. Nelson, chairman of the Department of Herpetology and Ichthyology, was elected a Foreign Member of the Linnean Society of London at its May 21 meeting.

He was cited for "distinguished contributions to taxonomic and biogeographic theory, and to the classification of fishes."

The Linnean Society has long been noted for its members' contributions to the natural sciences. For example, on July 1, 1858, Charles Darwin and Alfred Russel Wallace first presented their ideas about natural selection to the society.

Foreign membership is restricted to 50 or fewer individuals at any one time. Dr. Nelson joins such distinguished evolutionary biologists and systematists as Bernard Rensch, Ernst Mayr, Charles Michener and Stephen Jay Gould (Dr. Mayr is curator emeritus in the Department of Ornithology and former

Director of the Museum of Comparative Zoology at Harvard University; Dr. Michener is a research associate in the Department of Entomology and Watkins Professor of Entomology and of Systematics and Ecology at the University of Kansas; Dr. Gould is a research associate in the Department of Invertebrates and a Professor of geology, biology and history of science at Harvard University).

TWO ASSISTANT CURATORS JOIN MUSEUM STAFF

Two scientists were appointed recently to assistant curatorships at the Museum. Melanie L.J. Stiassny joined the Department of Herpetology and Ichthyology in a position that has been open since the death last September of Donn E. Rosen. Edmond A. Mathez joined the Department of Mineral Sciences.

Dr. Stiassny comes to the Museum from Harvard University, where, since 1983, she has been Assistant Professor of Biology and Assistant Curator of Ichthyology at the Museum of Comparative Zoology. She earned her Ph.D. degree in a joint program with the British Museum (Natural History) and Queen Elizabeth College of London University.

Dr. Stiassny's research is in two broad areas: the high-level systematics of a large group of fishes known as advanced teleosts (which includes such fish as perch and sunfish), and the evolution and systematics of a diverse family known as the cichlidae. In pursuit of fish for study, Dr. Stiassny has traveled in England, and to Malawi, Panama, Botswana, Zambia and Zimbabwe; and along the Mississippi River in Illinois.

Dr. Mathez is an igneous petrologist and geochemist. His research is focused on the behavior of volatile elements, such as hydrogen, carbon and sulfur in magmas, and on the behavior of fluids deep within the earth.

He studies lavas erupted from submarine volcanoes, fragments of the mantle brought to the surface by other types of basaltic volcanoes, and mafic intrusions—bodies of igneous rock low in silica and high in iron—now exposed at the surface by erosion.

In particular, he is interested in how platinum and related elements are transported and concentrated in these intrusions, and for this he studies the large platinum deposits in the Stillwater Complex in Montana and the Bushveld complex in South Africa.

Dr. Mathez earned his Ph.D. degree from the University of Washington in Seattle, where he has been a research assistant professor since 1983.

ORNITHOLOGY, ENTOMOLOGY GET NEW CHAIRMEN; HERPETOLOGY AND ICHTHYOLOGY ARE MERGED

In the traditional seven-year rotation of department chairmen, François Vuilleumier succeeded Lester L. Short in Ornithology and Norman I. Platnick succeeded Randall T. Schuh in Entomology, as of July 1.

At the same time, the Departments of Herpetology and Ichthyology were merged into a single department chaired by Gareth J. Nelson, who was chairman of Ichthyology.

Dr. Platnick was one of the youngest scientists ever appointed to a curatorial position at the Museum when he became assistant curator in 1973, at the age of 21. He was promoted to curator in 1982.

Dr. Platnick conducts research on the systematics and phylogeny of spiders, focusing especially, in the last few years, on the spiders of the southern hemisphere. He returns from six months of study and field work in Australia, New Zealand and New Caledonia to assume the chairmanship.

Dr. Platnick's interests also include historical biogeography and the philosophy of systematics. With Dr. Nelson, he wrote a widely cited book, *Systematics and Biogeography*, published in 1981 by Columbia University Press.

Dr. Vuilleumier joined the Museum in 1974 as associate curator and became curator in 1979. His research emphasizes biogeography in the southern hemisphere. He has studied species formation among high-Andean birds and lately has been working to understand the roles of competition and environment in determining the ranges of bird species in Patagonia.

With biologist Maximina Monasterio of the University of the Andes in Mérida, Venezuela, Dr. Vuilleumier edited *High Altitude Tropical Biogeography*, published jointly in 1986 by Oxford University Press and the Museum.

Dr. Nelson, chairman of the Department of Ichthyology since 1982, has been appointed to a five-year term as chairman of the combined Department of Herpetology and Ichthyology. Curator Charles W. Myers completed his seven-year term as chairman of the Department of Herpetology at the end of June.

Dr. Nelson's interests also include biogeography, but he is most well known for his methodological and philosophical papers on phylogenetic systematics, commonly known as cladistics. Dr. Nelson helped bring cladistics into common use at the Museum and inspired animated discussion of the method among systematists all over the world.

His recent research includes work on the relationships of near-shore fishes from around the Pacific rim. In addition to the aforementioned book, coauthored with Dr. Platnick, Dr. Nelson coedited *Vicariance Biogeography* with the late Donn E. Rosen, published in 1981 by Columbia University Press.

Herpetologists and ichthyologists share a professional society and the disciplines use many common curatorial techniques in caring for their collections. The Museum's herpetological collection is one of the world's largest and most important, numbering close to 255,000 specimens of amphibians and reptiles. The ichthyological holdings consist of about 1.3 million specimens, including one of the most comprehensive collections of prepared skeletons in the world. The combined department will have six curators and a curatorial fellow.

MUSEUM CURATORS HONORED



William K. Emerson



Frederick H. Rindge

William K. Emerson, curator in the Department of Invertebrates, and Frederick H. Rindge, curator in the Department of Entomology, have been honored for their work in their respective fields. Dr. Emerson was awarded the Sigma Phi Epsilon Citation for career distinction. Dr. Rindge was appointed as the George Willett Curator at the Museum.

The Sigma Phi Epsilon Citation received by Dr. Emerson is presented biannually by the Grand Chapter of the fraternity to a small, highly select group of alumni who have achieved uncommon success and stature in their particular professions. Since it was first presented in 1965, only 172 out of 100,000 Sigma Phi Epsilon graduates have received the high honor.

A specialist in invertebrate zoology, Dr. Emerson has done research on marine mollusks, including taxonomic, ecologic and distributional studies. He has participated in expeditions to Western Mexico, the Caribbean and the Gulf of Mexico.

Dr. Emerson joined the staff of the Museum in 1955. He served as chairman of the Museum's Department of Living Invertebrates from 1960 to 1974.

He was chairman of the committee that planned and supervised construction of the Museum's Hall of Mollusks and Mankind which opened in 1975.

Dr. Emerson has published more than 120 scientific papers in such journals as *Journal of Paleontology*, *The Journal of Geology*, *The Nautilus*, *Journal de Conchyliologie* and *Indo-Pacific Mollusca*. He is the co-author of numerous books, including *Shells of the New York City Area*, *Wonders of the World of Shells*, *Shells* and *AMNH Guide to Shells*.

Dr. Rindge was appointed as the George Willett Curator in honor of his distinguished contributions to the study of taxonomy of butterflies and moths during the 38 years he has served on the Museum's curatorial staff.

The curatorial chair was established with funds from the estate of George Willett, an independent member of the New York Stock Exchange for more than 55 years, and a man deeply interested in natural history and environmental preservation. He was a frequent visitor to the Museum.

Dr. Rindge joined the Museum in 1949 as assistant curator. He became associate curator in 1953 and curator in 1962. He has published 90 papers in entomology and associated disciplines in such journals as *Bulletin of the American Museum of Natural History* and *American Museum Novitates*.

Dr. Rindge added more than 100,000 specimens to the department's Lepidoptera (moths and butterflies) collections through his extensive field work. In addition, his important contacts worldwide have resulted in the donation of invaluable collections to the Department of Entomology.

His recent field work focused on the northeastern and northcentral United States, as well as southeastern Canada.

Last year, Dr. Rindge was awarded the Karl Jordan Medal by the Lepidopterists' Society for outstanding research in the taxonomy, systematics and zoogeography of Lepidoptera.

MOCK TURTLE?



Sculptor David Dann, who usually makes the miniature models for holograms that appear on book covers, credit cards and cereal boxes, was commissioned to sculpt this extinct turtle by the Department of Vertebrate Paleontology. The sculpture will be displayed alongside a fossil skull next summer as part of the Museum's special exhibition of Chinese fossil reptiles, "From the Land of Dragons." Only two specimens of this tur-

tle, called *Nanhsiungchelys*, are known, both from China. Research fellow Peter Meylan, who supervised Mr. Dann, described it as a "bizarre turtle," and said it is thought to be most closely related to the fly-river turtles found today only in Australia and New Guinea. Mr. Dann worked from photographs of a Chinese specimen, as well as models and skeletons of related species.

WELL-USED ELECTRON MICROSCOPE MAY YIELD TO NEWER MODEL

Judith Levinson, conservator in the Department of Anthropology, uses it to examine the effects that various cleaning methods have on the structure of feathers.

David Grimaldi, assistant curator in the Department of Entomology, uses it to look at the fine structure of insects.

Robert Voss, assistant curator in the Department of Mammalogy, uses it to look at the wear patterns on the teeth of aquatic mice.

Judith Winston, associate curator in the Department of Invertebrates, says "I'd be helpless without it."

"It" is the Cambridge Stereoscan 250, the Museum's six-year old scanning electron microscope. Museum scientists and others who use the microscope have praised the clarity of its images. But several expressed the desire for features available on newer models, so the Museum is beginning the process of looking for a new one, said Interdepartmental Facilities Coordinator Joan Whelan.

The microscope, which was made by a British company, has been hard to get parts for, Ms. Whelan said. A new

microscope will have a larger chamber, which sets the limit on the size of objects that can be viewed. With the present microscope, specimens can be no larger than about five centimeters (about two inches) across. The new microscope may also have the ability to analyze specimens for their chemical content, an ability especially prized by scientists in the Mineral Sciences department.

Scientists at the Museum, and some from outside, make nearly full-time use of the electron microscope. Hardly a day has gone by in the past several months when there hasn't been at least one scientist using the microscope.

The microscope is under the care of Scientific Assistant Andrew Simon, who gets the microscope up and running and who deftly handles the numerous knobs and buttons that make the difference between a hazy image and a crisp one, which is useful for analysis or publication.

Ms. Whelan estimated that a new scanning electron microscope will cost about \$150,000. Plans are being made to apply to the National Science Foundation for funding.

ARCHIE CARR, DISTINGUISHED ZOOLOGIST, DIES AT 77



Archie Carr tagging a green turtle in Tortuguero, Costa Rica, in 1982.

Archie F. Carr, Jr., research associate in the Museum's Department of Herpetology, died May 21, in Florida. He was 77 years old.

Dr. Carr was an internationally renowned authority on sea turtles. His writings and conservation efforts are credited with helping to save them from extinction.

Using tagging techniques extensively, he documented the remarkable navigational abilities of adult turtles. He determined that they may journey as far as 1,200 miles from Ascension Island, where they presumably hatch; to South America, where they mature; returning to Ascension Island to lay their eggs.

In addition to explaining the turtles' migration patterns, he also clarified why green turtle hatchlings, weighing a few ounces at birth, are seen again a year later 1,000 miles from their birthplace as they become 400-pound adults. His conclusion was that the turtles travel amidst rafts of floating seaweed called sargassum, and subsist on small shrimp, crabs and jellyfish.

Dr. Carr's original interest in English and dedication to biology were combined in the 11 books and more than 120 magazine articles and scientific papers he wrote throughout his career.

Dr. Carr's scientific and literary awards included the Gold Medal of the World Wildlife Fund, the Daniel Giraud Elliott Medal of the National Academy of Sciences, the O. Henry prize for nonfiction, and the John Burroughs Medal for nature writing.

He was a member of the American Society of Ichthyologists and Herpetologists and the American Society of Naturalists, and a fellow of both the Linnean Society of London and the American Institute of Fishery Research Biologists.

HERE AND THERE

ADMISSIONS CONTROL: Janet Mazeika joined as assistant manager and Ivette Rivera is the new part-time cash analyst. . . Rita Barclay was promoted from part-time supervisor to assistant manager.

DEVELOPMENT AND PUBLIC AFFAIRS: David Crandall and Adele Meyer are new development associates. . . Tamara Jenkins joined as development assistant. . . Joining as secretary in Development is Jacqueline Minoso. . . Geneen Gambello is the new senior secretary in Guest Services. . . Cori Montvel-Cohen is the new part-time Informa-

tion Desk supervisor. . . The new part-time telephone supervisor in the Volunteer Office is Samantha Thacker. . . Mitzi Bhavnani, manager for Volunteers and Information Desk Services, chaired a session on volunteerism at the annual meeting of the American Association of Museums in San Francisco. She gave the keynote speech at the annual meeting of the Utah Museum Volunteers Association in Salt Lake City.

DISCOVERY TOURS: Elizabeth DeGaetano joined as tour coordinator.

EXHIBITION AND GRAPHICS: George S. Gardner, chairman, was elected Councilor-at-Large for three years for the American Association of Museums. . . Joining as the new member of the exhibition maintenance team is Mark Steigelman, Museum attendant guard.

HERPETOLOGY: In May, Janis A. Roze, resident research associate, presented a talk and coordinated a one-day symposium in Petropolis, Brazil, on "New Thinking in Biological and Human Evolution and its Implication for Socioeconomic Development." He also did research on snakes at the Instituto Butantan in São Paulo.

ICHTHYOLOGY: Patricia Healy joined as secretary. . . Chairman Gareth Nelson, Curator C. Lavett Smith, Assistant Curator Michael L. Smith, Curator Emeritus James W. Atz, Scientific Assistant Barbara Brown and four graduate students presented papers in June at the annual meeting of the American Society of Ichthyologists and Herpetologists in Albany. . . C. Lavett Smith attended the annual meeting of the Advisory Board of the Bahamas National Trust in May.

INVERTEBRATES: Peling Fong is the new curatorial assistant.

LIBRARY SERVICES: Two new part-time Library assistants are Pauline Mogollon and Leroy Smoot. . . Barbara Rhodes joined as conservation manager and Martin Shapiro is the new reference librarian. . . Dawn Norel was promoted from part-time library assistant to senior clerk.

MAMMALOLOGY: Mary E. Holden joined as Exxon research assistant. . . Jane Mason is the new curatorial assistant III. . . Scientific Assistant Marie A. Lawrence presented a paper on the history of the Maximilian Wied Brazilian Mammal Collection at a meeting of the Society for the Preservation of Natural History Collections at McGill University in Montreal.

MICROPALAEONTOLOGY PRESS: The new Museum technician is Kenneth Rivers.

MUSEUM SHOP: Maxwell George joined as part-time cash analyst. . . Six new part-time sales assistants are Sever Ciorlian, Nicole Colbert, Jacqueline Garnett, Milan Owens, Schaunderion White and Jody Wood.

NATURAL HISTORY MAGAZINE: Mary Anne Hayes joined as production assistant.

PLANETARIUM: Joining as the new clerk is Catherine Shenk.

PLANT OPERATIONS: Nine new Museum attendant guards in Building Services are Alejandro Aybar, Juan Burgos, Thomas Gaymon, Alexander Nica, Olivia Pierce, Diane Singleton, Anthony Talbert, Victor Torres and David Zeigler. . . Both Edgar Boothe and Clifton Crews were promoted from Museum attendant guards to senior Museum attendant guards in Building Services. . . Tulio DelRio and Vernandie Watson joined as Museum maintainers in Maintenance. . . Two new assistant Museum maintainers in Maintenance are Robert Marrero and Paul Wells. . . Kenneth Stevens is the new Museum attendant guard in Maintenance.

VERTEBRATE PALEONTOLOGY: The new curatorial assistant III is Radford Arrindell. . . Michelle Murray is the new part-time curatorial assistant.

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American
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OCT 22 1987

SEPTEMBER/OCTOBER 1987

A. M. N. H. VOL. 44, NO. 5

EDWARD H. MEYER, HEAD OF GREY ADVERTISING, ELECTED TO BOARD OF TRUSTEES



Edward H. Meyer

Edward H. Meyer, president, chairman of the board and chief executive officer of Grey Advertising, Inc., is the newest member of the American Museum's Board of Trustees. He was elected to the Board at the Sept. 23 meeting.

The Board of Trustees has 42 elected members, eight honorary members, and six ex officio members including the Mayor.

A graduate of Cornell University with honors in economics, Mr. Meyer began his business career in 1949 in Bloomingdale's Executive Training Program.

Mr. Meyer joined Grey Advertising in 1956 as vice president in the Account Services Department. He was elected president in 1968 and chief executive officer and chairman in 1970. Since then, he has led Grey to its current position as one of the top 10 global advertising agencies.

In addition to his responsibilities at Grey, Mr. Meyer is director of the May Department Stores Company, Bowne & Co., the Trans-Lux Corporation and six Merrill Lynch mutual funds. He is also a trustee of Merrill Lynch's Ready Assets Trust and its Natural Resources Trust, and is advisor to the Excelsior Funds I and II, a venture capital group. He is a member of the American Business Conference, Inc., a coalition of growth companies.

Mr. Meyer serves on the boards of the Foundation for Children with Learning Disabilities and the USO of Metropolitan New York. He is also on the board of overseers of the Schools of Business at New York University, a trustee of the New York University Medical Center and a trustee of the American Film Institute.

Mr. Meyer and his wife, Sandy, live in Manhattan.

BRONZE IMAGES OF CELESTIAL OBJECTS TO DECORATE NEW PLAZA AT PLANETARIUM

Three hundred flat, cast bronzes, portraying symbolic images of the universe, will decorate a new plaza in front of the American Museum-Hayden Planetarium. Installation is scheduled for this fall.

The sculptures will visually break up the almost 3,900 square feet of pavement in front of the American Museum-Hayden Planetarium. The celestial bronze castings introduce visitors to some of the themes of astronomy explored in the Planetarium.

They illustrate galaxies, stars, planets and comets. The spiral, one of the most significant forms in the sculpture, symbolizes the spinning motion of galaxies. Other shapes include the penumbral region of a sunspot, twinkling stars, and comets which provide elements of direction and movement in space.

The project is one component of a program of exterior rehabilitation of the Planetarium. Other projects include the installation of a new roof and restoration of the brick facade. The rehabilitation program is intended to restore the art deco architecture of the Planetarium, built in the 1930s.

The bronzes are being created by Michele Oka Doner, a sculptor whose art is based on the forms and processes of the natural world. She will embed 50 bronzes into the pave-



This scale model of the plaza of celestial bronzes, which will be embedded in front of the American Museum-Hayden Planetarium, was created by sculptor Michele Oka Doner. The bronzes represent stars, comets and galaxies.

ment each day as the concrete is being poured.

Ms. Doner is creating the sculptures in her studio in Manhattan's Soho district. Casts for the bronzes are being made at the Johnson Atelier in Mercerville, N.J.

She holds an M.F.A. degree from the University of Michigan and has had numerous one-woman exhibitions. These include shows at the Detroit Institute of Art, Germans Van Eck Gallery in New York City and Studio E Architettura in Rome.

The Museum received support from two foundations for the project: the Helena Rubinstein Foundation and the Reed Foundation (formerly the Samuel Rubin Foundation).

"ANCIENT ESKIMO IVORIES OF THE BERING STRAIT" OPENS HERE



This knife with a handle in the form of a polar bear was created by ancient Bering Sea Eskimos during the Old Bering Sea I (Okvik) period, 200 B.C. to 100 A.D. It is made of walrus ivory, wood and stone. Photo Credit: Bobby Hansson.

Ancient Bering Sea ivories stand out for their sculptural quality, engraved designs and relief carvings. More than 160 of these prehistoric ivories are on view in the special exhibition, "Ancient Eskimo Ivories of the Bering Strait," in the Museum's Naturemax Gallery. The exhibition closes in January.

Ancient Bering Sea Eskimos developed a highly sophisticated maritime society that flourished along the shores of the Bering Strait from the third century B.C. to 1200 A.D. Their art was closely interwoven with their everyday occupation, which was primarily the hunting of sea mammals.

Ivories in the exhibition include a death mask, ornamented harpoon fittings, handles, scrapers, needle cases and snow goggles. Half of the ivories are human and animal figures that may have been used for ceremonial purposes. In general, they are carved with flowing curvilinear patterns and parallel, dotted or spurred lines, which reinforce their basic form.

Because the ivories were buried in soil containing organic material, they became stained, resulting in a rich variety of warm shades of yellow, brown and black.

Graphics Manager, Joseph M. Sedacca, who was in charge of installation of the exhibition, had to meet special temperature and humidity control requirements for the delicate ivories. (The temperature must be a constant 70 degrees fahrenheit, and the humidity level must remain at 55 percent.) The principal preparator for the project was Gerhard Schlanzy.

Objects in the exhibition are from more than 40 public and private collections in Europe and the United States. Some are from the American Museum's own collection. These ivories have been discovered during the past 60 years in the Bering Strait sites of St. Lawrence Island, the Chuckchi Peninsula in Siberia and in Alaska, along the shores of the Seward Peninsula and at Point Hope.

The exhibition is laid out in five sections: Old Bering Sea I (Okvik) period (200 B.C. to 100 A.D.), Old Bering Sea II period (100 A.D. to 300 A.D.), Old Bering Sea III period (300 A.D. to 500 A.D.), the closely related Ipiutak style (100 A.D. to 600 A.D.) and the later Punuk period (500 A.D. to 1200 A.D.).

"Ancient Eskimo Ivories of the Bering Strait" was organized by the American Federation of Arts (a merging of the Art Museum Association of America and the AFA). It is supported by a grant from the Exxon Corporation with additional assistance from the National Endowment for the Arts.

Guest curator is Allen Wardwell, director of the Isamu Noguchi Garden Museum in Long Island City, and an expert on American Indian and Eskimo art. David Hurst Thomas, curator in the American Museum's Department of Anthropology, is the Museum's coordinator for the exhibition.

TWO GRANTS AWARDED TO DEPARTMENT OF LIBRARY SERVICES

The American Museum's Department of Library Services has been awarded two grants, one from the New York State Library's Conservation and Preservation of Library Research Materials program, and the other from the United States Department of Education Title II-C program.

The Department of Education Title II-C grant provides funding for scientific and historical manuscripts to be transferred and preserved on microfilm. The project gives the Library an archival microfilm master copy and provides scientific departments with a viewing copy, and in some instances, a photocopy. This avoids the daily wear and tear on original documents so they can be preserved indefinitely.

Under the grant, microfilming has been completed for the card catalog and ledgers of the mollusk collection in the Department of Invertebrates, the Hudson Bay Journals of George Comer, an entire set of the Museum's Annual Reports, George Emmons' manuscript on the Tlingit Indians of the Northwest Coast, and the autobiography of Albert S. Bickmore.

"The present two-year grant of \$199,661 to microfilm, preserve and catalog the Museum's manuscript collections is particularly exciting," says Nina J. Root, chairwoman of the Department of Library Services. "The unique field journals and catalogs, diaries, specimen catalogs and letters used daily in

the curation of collections and in scientific research are being preserved."

Under the New York State Library grant, a historical album of 491 ethnographic photographs will be conserved. The album contains rare photographs of Northwest Coast Indians taken by Edward Dossseter in 1881, as well as Australian aboriginal ceremonies captured on film by anthropologist A.P. Elkin.

"New York State Conservation grants provide funds for the preservation of library collections, and the state should be lauded for this pioneering program," said Ms. Root.

The \$11,128 grant enables the badly deteriorated album to be sent to the Conservation Center for Art and Historic Artifacts in Philadelphia. The photograph album is stained and brittle, showing the effects of acid migration from the paper and animal glue originally used.

The laborious conservation process can take up to a year. The album is dismantled and a register is made documenting the precise layout of each page, including captions and negative numbers. The photos are immersed in an aqueous solution, removed from the pages and surface cleaned.

Photographs are remounted on acid free boards with a wheat starch paste.

MORE DINOSAURS INVADE THE MUSEUM



Stephen Czerkas's *Allosaurus*, featured in the exhibition "Dinosaurs Past and Present", arrived at the American Museum on Sept. 9. The life-size model of the meat-eating dinosaur attracted a crowd of photographers and onlookers.

The most comprehensive exhibition of dinosaur art ever presented opened at the American Museum Oct. 9, after having delighted audiences in Los Angeles, Denver, Philadelphia and Washington.

"Dinosaurs Past and Present" documents the 125-year-old effort of scientists and artists to portray dinosaurs realistically. The exhibition is being coordinated by Eugene S. Gaffney, curator in the Department of Vertebrate Paleontology. Stephen C. Quinn, senior principal preparator in the Department of Exhibition and Graphics, designed the Museum's installation. The exhibition was organized by the Los Angeles County Museum of Natural History and guest curator Sylvia Czerkas.

The exhibition's 140 paintings, illustrations, sculptures and models were created by 35 artists. Charles Knight and Benjamin Waterhouse Hawkins, two of the early artists represented in the exhibition, were among the first to attempt true depictions of dinosaurs. Knight grew up in Brooklyn and created many paintings especially for the American Museum.

The exhibition emphasizes the work of 16 modern artists, many of whom worked closely with paleontologists to develop

their interpretations.

Some paleontologists, by drawing inferences from fossil data and by making analogies with modern animals, have speculated that dinosaurs were colorful, active, care-giving animals. The artwork in this exhibition largely depicts that school of thinking on dinosaur behavior.

For example, Mark Hallet, a Los Angeles illustrator, used a type of watercolor called gouache to show a *triceratops* herd forming a defensive circle to protect their young from *Tyrannosaurus*, the large meat-eating dinosaur.

Mrs. Czerkas, the guest curator, and her husband Stephen Czerkas each have several of their own works in the exhibition. Mr. Czerkas's 20-foot model of an *Allosaurus*, an agile, meat-eating dinosaur, is lifesized and includes details of the skin made from molds of fossilized skin.

Scientists may never know the details of dinosaurs' lifestyles, but the artworks in this exhibition suggest some possibilities—without removing the aura of mystery that surrounds the "terrible lizards."

MUSEUM ASSOCIATE IS HONORED

James C. Tyler, research associate in the Department of Herpetology and Ichthyology, was awarded the Smithsonian Gold Medal for Exceptional Service on June 24.

The award was given for Dr. Tyler's exemplary leadership and outstanding contributions during his 11-month tenure as acting director of the Smithsonian Institution's National Air and Space Museum.

The special award was presented to Dr. Tyler by Robert McCormick Adams, secretary of the Smithsonian Institution. Dr. Tyler is cited for "reshaping the organization with extraordinary vision and substantially rejuvenating morale through his sense of dedication."

Dr. Tyler, an ichthyologist, recently collaborated with C. Lavett Smith, curator in the Department of Herpetology and Ichthyology, on a study of the relationship between the specializations and long-distant transport of larval fishes.

The study took place on Carrie Bow Cay, Belize, and on St. Croix, U.S. Virgin Islands. Together, Drs. Smith and Tyler are preparing an atlas of larval fishes of the Caribbean Sea and a checklist of fishes known from that area.

Dr. Tyler joined the American Museum's Department of Ichthyology in 1977 as a research associate. Before that he was assistant director, then director, of the Lerner Marine Laboratory of the American Museum at Bimini from 1973–1975.



James C. Tyler

SUBWAY SAMARITAN: MUSEUM GUARD RESCUES WOMAN

The July morning started out as another routine commute for Thomas Gaymon, museum attendant guard. Little did he know he would be a hero that day.

In the crowded 174th and Grand Concourse subway station, Mr. Gaymon heard a woman scream and saw her tumbling down the stairs in a struggle with a mugger. Mr. Gaymon ran to help the woman as the attacker tried to jump the turnstile. Mr. Gaymon grabbed him, and in the struggle the mugger pulled a kitchen knife and slashed him across the right cheek.

The wound took 14 stitches on his cheek and three in his mouth. But Mr. Gaymon's quick thinking had saved the day—the assailant was quickly collared by Transit Authority police.



Thomas Gaymon

HERE AND THERE

ANTHROPOLOGY: **Clarissa Wilbur** was promoted from secretary to senior secretary. . . **Mary Alice Distler** is the new conservation assistant.

DEVELOPMENT AND PUBLIC AFFAIRS: **Amy Lubow** was promoted from secretary to senior secretary in Development. . . **Elliot Kipnis** and **Bernard Tato** joined as development assistants. . . Development Associate **Renee Perry** married **Bill George** on Aug. 16. . . **Genevieve Wolf** was promoted from senior clerk to assistant volunteer manager. . . Joining the Volunteer Office as part-time information desk supervisor is **Gregory Christopher**.

EDUCATION: The new secretary is **Thomas Glass**.

ENTOMOLOGY: **James S. Miller** was appointed curatorial fellow. . . The new scientific assistant is **Michael Schwartz**.

EXHIBITION AND GRAPHICS: Joining as the new secretary is **Peter Karounos**. . . **Sally Strasser** joined as part-time projectionist.

FINANCIAL OPERATIONS: **Jeanette Behr** joined as assistant to the controller. . . The new clerk in General Accounting is **Bienvenida Suarez**.

HERPETOLOGY AND ICHTHYOLOGY: **Margaret Shaw** was promoted from senior secretary to assistant to chairman. . . In June, **Richard G. Zweifel**, curator in Herpetology, presented the Distinguished Scientist Lecture at the American Society of Ichthyologists and Herpetologists in Albany. **Charles J. Cole**, curator in Herpetology, also attended. . . Curator **Charles W. Myers** in Herpetology and **Paulo E. Vanzolini**, research associate in Herpetology, conducted field work in Brazil in May. . . **Melanie Stiassny** joined as assistant curator in Ichthyology. . . **Michael L. Smith**, assistant curator in Ichthyology, spent two weeks in September collecting fish in the Dominican Republic.

INVERTEBRATES: **Stephanie Crooms** was promoted from secretary to senior secretary. . . **William K. Emerson**, curator of Mollusks, was elected an Honorary Life Member of the American Malacological Union at the annual meeting in Key West, Fla., and was elected an Honorary Fellow of the California Academy of Sciences.

LIBRARY SERVICES: Joining as cataloguing librarian is **Frank Chiu**. . . **Annette Springer** joined as part-time library assistant. . . **Nina J. Root**, chairwoman; **Miriam Tam**, assistant librarian for technical services, and **Diana Shih**, senior cataloguing librarian, attended the annual conference of the American Library Association in San Francisco. . . **Ms. Root** was elected to the Board of Trustees of METRO (a network of libraries in the N.Y. metropolitan area). . . **Valerie Wheat**, assis-

tant librarian for reference services, is serving on the METRO Programming Task Force on Indigenous Populations. . . **Ms. Tam** and **Ms. Shih** attended the Columbia University Summer Rare Book School. . . **Martin Shapiro**, reference librarian, attended an OCLC network workshop at S.U.N.Y. at Albany.

MAMMALOLOGY: **Nancy Olds** joined as Exxon research assistant. . . **Christine Iaderosa** is the new secretary.

MICROPALEONTOLOGY PRESS: **Susan Carol** was promoted from assistant editor to associate editor. . . **Virginia Medina** was promoted from secretary to senior secretary. . . The new editorial assistant is **Susan Yung**. . . Joining as Museum technician is **Jerome Peters**. **MINERAL SCIENCES:** **Katherine Knull** joined as secretary. **MUSEUM SHOP:** Two new part-time sales assistants are **Kelly Flynn** and **George Toussaint**.

NATURAL HISTORY MAGAZINE: **Cheryl Lovinsky** was promoted from part-time membership assistant to fulfillment coordinator. . . **Timothy Thom** joined as assistant circulation manager. . . **Charles Hayes** is the new manuscript processor.

ORNITHOLOGY: The new secretary is **Jennifer Williams**. **PLANETARIUM:** **Diane Meyers** and **Teresa Schweitzer** joined as interns. . . The new part-time clerk is **Joan Newbrough**. . . In September, **William A. Gutsch**, chairman, gave a speech on "Strategies for Increasing Attendance and Income" at the International Planetarium Directors Congress in Moscow.

PLANT OPERATIONS: **Martha Wong** was promoted from Museum attendant guard to senior attendant guard in Building Services. . . Joining as Museum attendant guards in Building Services are **Robert Alonso**, **Brenda Cruz**, **Raymond Delph**, **Alexander Hodge**, **Parouf Indarjali**, **Shirley Peters**, **Thelma Scantlebury**, **Aida Stacks**, **Anthony Stephenson** and **Alton Wilson**. . . **William Forbes**, former supervising Museum attendant guard in Building Services, died June 27 in Whiting, N.J. . . The new secretary in Construction is **Kimberly McCants**. . . **Drew Meyer** joined as Museum maintainer in Construction. . . **Shelia Small** is the new Museum attendant guard in Maintenance.

VERTEBRATE PALEONTOLOGY: **Alejandra Lora** was promoted from secretary to senior secretary. . . Joining as senior artist is **Daniel Duffy**. . . In May, **Lisa Lomauro**, senior artist, gave birth to a baby girl. She named her **Lauren Christine**. . . **Ernst Heying**, retired senior technician, recently died in Germany.



November / December 1987

VOL. 44, NO. 6

GEORGE D. LANGDON, JR., NAMED NINTH PRESIDENT OF AMERICAN MUSEUM

George D. Langdon, Jr., president of Colgate University, has been named the ninth president of the American Museum of Natural History. Mr. Langdon, the first salaried president in the 119-year history of the American Museum, will assume his new duties on July 1.

Mr. Langdon was named president at a meeting of Trustees on Oct. 13. Robert G. Goelet, who has served as president since 1975, will continue in that position until June 30, and will then become chairman of the Museum's Board of Trustees.

"I look forward to taking up my duties at the Museum in the summer of 1988, and to learning from those already involved in its work," Mr. Langdon said. "The American Museum of Natural History is a priceless resource for New York City and for the nation. All of us who care about the Museum and its future will be challenged to sustain and increase its many contributions to our understanding of natural history."

When he announced to the Colgate community his intention to come to the American Museum, Mr. Langdon said: "The Museum combines history and education, the two chief interests of my professional life."

Mr. Langdon, 54, had been president of Colgate University, in Hamilton, N.Y., since 1978. A historian, he is the author of "Pilgrim Colony, A History of New Plymouth 1620-1691," (Yale University Press, 1966), and articles and studies on the politics and economic development of the American colonial period.

He earned his bachelor's degree *cum laude* in 1954 at Harvard College where he was Coolidge Scholar, his master's degree at Amherst College in 1957, and his Ph.D. in 1961 at Yale University where he was a Coe Fellow.

Currently a member of the Board of Overseers of Harvard



George D. Langdon, Jr.

University, Mr. Langdon also is a trustee of Colgate University and the Salisbury School. He is director of the Quest for Value Dual Purpose Fund, and a fellow of the Pilgrim Society.

Before becoming president of Colgate University in 1978, Mr. Langdon was at Yale where he was deputy provost of the university and lecturer in history. He had earlier taught history and American studies at Yale from 1959 to 1962 and at the California Institute of Technology from 1962 to 1964. He was a member of the Vassar College history department from 1964 to 1968 and also served as special assistant to the president of Vassar.

ANNUAL CHILDREN'S CHRISTMAS PARTY CELEBRATED

The annual Christmas Party for children of Museum employees was held on Wednesday, Dec. 16.

Festivities began in the Main Auditorium, with "Silly Billy", a clown, giving a magic show. The children were treated to two short films entitled, "Strega Nonna" and "Where the Wild Things Are."

Then it was on to the Hall of Ocean life, where Santa presided and refreshments were served. Four other programs took

place on the balcony of the Hall. Origami specialists taught the art of paperfolding. The children were shown how to make shadow puppets; "Silly Billy" twisted balloons into animals; and Alice Gray, scientific assistant emerita in the Department of Entomology, was there with her insect menagerie of scorpions, tarantulas and cockroaches. And to top off the whole event, Santa gave presents to all the children.

The Christmas Party was organized by Ernestine Weindorf, assistant to the publisher of *Natural History* magazine. Photographs of the children will appear in the next issue of *Grapevine*.

RENOWNED ASTRONOMICAL ARTIST TO RETIRE



Helmut K. Wimmer

Helmut K. Wimmer, art supervisor of the American Museum-Hayden Planetarium, is retiring on Dec. 31, after 32 years. An internationally renowned illustrator, painter and sculptor of astronomical subjects, Mr. Wimmer's work has appeared worldwide in planetariums, museums and publications.

Since 1955, Mr. Wimmer's innovative techniques have set many precedents for planetarium artwork around the world. He developed new techniques of airbrush illustration for the Sky Shows at the American Museum-Hayden Planetarium.

Mr. Wimmer also invented a unique method of preparing planetarium panoramas by combining sculpture techniques with painting. Panoramas are used in planetarium shows to create different environments, from the red deserts of Mars to the towering monoliths of ancient Stonehenge. Mr. Wimmer's method includes the use of sand and stone, and results in three-dimensional realism when photographed and projected on the Planetarium's 75-foot-diameter Sky Theater dome.

His most famous painting is considered the first artist's visualization of a black hole -- the complete collapse of a star. It appeared on the cover of *Physics Today* in January, 1971. Other works have appeared in *Natural History*, *Smithsonian*, *Reader's Digest*, *National Geographic*, *The New York Times*, *Graphis*, and in various astronomy books for children.

In addition to planetarium artwork, Mr. Wimmer also codesigned and sculpted the medallions for the American Museum of Natural History and the Hayden Planetarium. He also designed the architectural supports for the Planetarium's giant Zeiss star projector.

Born in Munich, Mr. Wimmer apprenticed at the age of 14 as a sculptor and architectural model maker. After World War II, he was held prisoner in Russian labor camps. After working in a logging camp, he was moved to the city of Maxim

Gorky, where he was assigned to work with a sculptor, building models of buildings. Soviet officials noticed the models and designated Wimmer to work as a sculptor on special buildings.

Finally, in 1949, Wimmer returned to Munich, where he found a job as a sculptor, restoring some of the city's damaged buildings. Among Munich's beautiful buildings in which one may see his work are the Theatinerkirche in the Italian Baroque style and the Michaelskirche in the Renaissance style.

In 1954, he emigrated to the United States without his wife and child, or any knowledge of English. It was planned that the family would follow him when conditions permitted. Once in New York, a chance recommendation led him to an opening in the art department of the Hayden Planetarium. Thus began a career he never dreamed of -- astronomical illustrator.

"My lucky break came when I landed the job at the Planetarium," said Mr. Wimmer. "Looking back, with all the ups and downs in my life, I think I was very lucky to be accepted here and be a part of it."

Mr. Wimmer plans to travel with his wife, Francie, and friends throughout the western United States and Europe.

NATURAL HISTORY MAGAZINE HOSTS DELEGATION OF CHINESE EDITORS AND PUBLISHERS

Natural History magazine hosted a delegation of six editors and publishers from the Peoples' Republic of China on a national tour of science magazines.

The members of the Chinese delegation are representatives of the China Association for Science and Technology (CAST). They were at the Museum in September as part of an exchange program between CAST and the American Association for the Advancement of Science (AAAS).

The CAST delegation included: Kong Xiangjin, deputy director, Department of Popularization of Science and Technology, CAST; Yuan Youqing, deputy chief editor of *Modernization* magazine (published by CAST); Dai Weigui, director of *Hunan Provincial Science and Technology Weekly*; Zhang Daoyuan, editor-in-chief of *Electronic World* (published by the Chinese Institution for Electronics); Yu Hairuo, editor of *Knowledge is Power* (published by CAST), and Zhang Hong, program coordinator of the Department of International Affairs, CAST.

Alan Ternes, editor of *Natural History* magazine and a member of the AAAS, was invited to China in 1980 to attend a AAAS-CAST conference on the popularization of science. In September, Mr. Ternes was the host, and the topic was the "nuts and bolts" of magazine publishing.

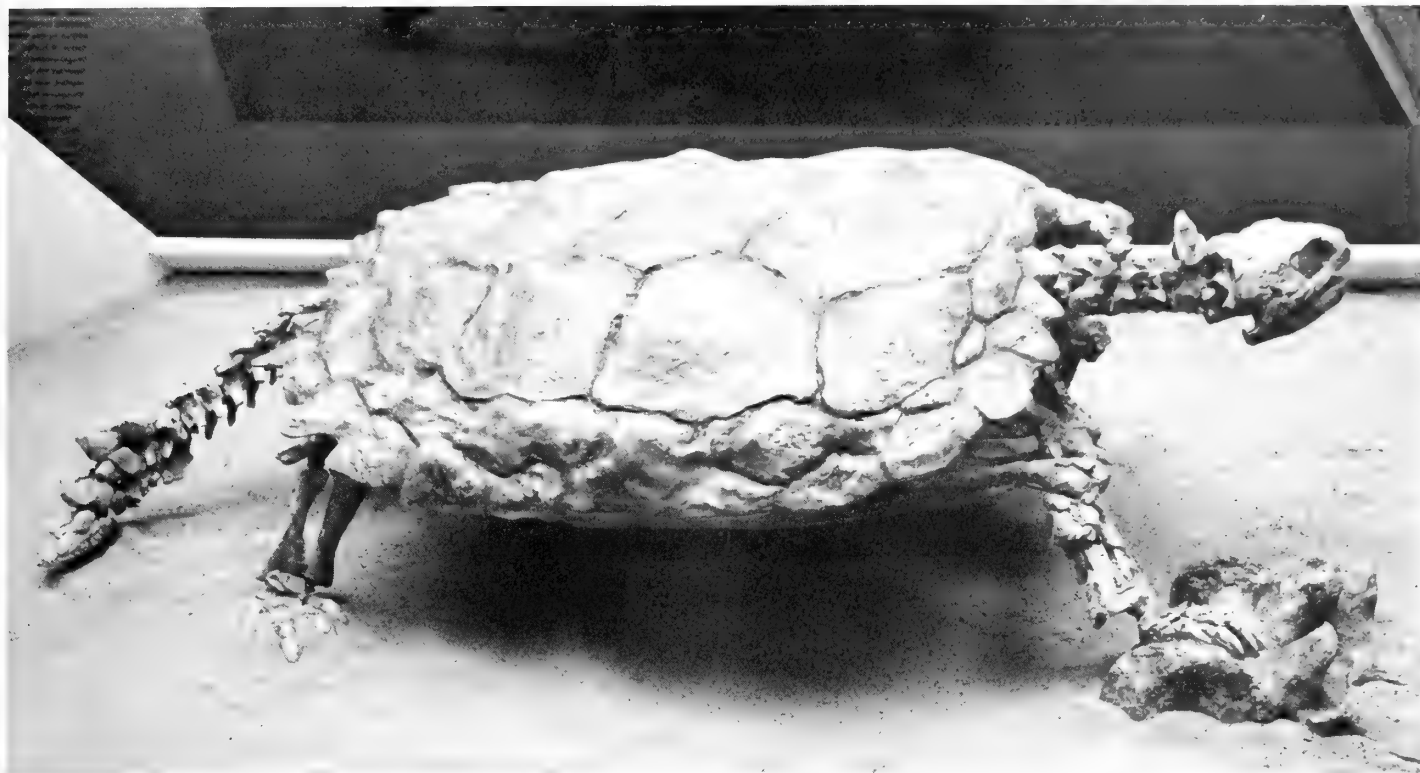
The Chinese delegation met with *Natural History* staff members, who discussed topics ranging from subscription promotion and advertising rates to the editorial process.

Cary Castle, circulation manager of *Natural History*, gave a slide presentation on circulation mail packages. Assistant business manager Lee Ewing spoke about advertising and computer business systems.

Mark Abraham, production manager, discussed printing and electronic typesetting. Ellen Goldensohn, managing editor, spoke about editorial production.

C.P. Gilmore, editor-in-chief of *Popular Science* and Joseph Oldham, editor-in-chief of *Popular Mechanics*, joined the group for lunch and further discussion of the morning's topics.

OLDEST TURTLES ON EXHIBIT IN ROOSEVELT MEMORIAL HALL



Reconstruction of the world's oldest turtle. The original 200-million-year-old fossil was discovered in the southern part of West Germany in 1932.

Two ancient turtle fossils are featured in an Arthur Ross Exhibit of the Month in the Theodore Roosevelt Memorial Hall. The turtles will be on display through January.

The older of the two, and at 200 million years old the world's oldest turtle, is *Proganochelys* (chelys is Greek for turtle and proganos, roughly translated, means "old" or "first"). The original fossil was discovered in 1932 in southern West Germany along with two other less complete specimens and many dinosaur fossils.

The specimen on display is a reconstruction. Jeanne Kelly, senior technician in Vertebrate Paleontology made molds of the original fossil bones and then cast them with a lightweight and durable plastic. She and Frank Ippolito, senior artist in Vertebrate Paleontology, colored the plastic to resemble the fossil. Finally, Mr. Ippolito assembled the skeletal elements, shell and plastron.

Eugene Gaffney, curator in the Department of Vertebrate Paleontology, and Peter Meylan, research associate in the department, supervised the reconstruction.

Included in the exhibit is a painting, done by Mr. Ippolito, of what the habitat may have been like when the turtles and

dinosaurs were alive. The painting depicts the turtle as a bottom walker, like the living snapping turtle.

The mount includes a pair of vertebrae of *Plateosaurus*, which was found in the same quarry.

The other turtle in the exhibit is *Kayentachelys*, named after the Kayenta formation in northern Arizona where it was found. At about 185 million years old, it is the oldest turtle in North America and the oldest representative of one of the two main groups of turtles, the cryptodires.

The fossil was discovered by Farish A. Jenkins, Jr., of Harvard University. It was partly reconstructed by J. Howard Hutchinson of the University of California at Berkeley. Lorraine J. Meeker of the Department of Vertebrate Paleontology aided in preparing the specimen and illustrated the skull for the scientific paper describing the specimen. That paper, written by Dr. Gaffney, with Drs. Hutchison and Jenkins and Ms. Meeker as coauthors, appeared in the journal *Science* in July.

Taken together, the two fossils show that a relatively modern looking shell was already present in the earliest turtles, long before the features of modern turtles appeared.

LIBRARY ADDS SATURDAY HOURS

The Museum's Library is now open to the public on Saturdays, with its resources available to the Museum staff, outside researchers and the public from 10 a.m. to 3 p.m.

Saturday hours were instituted as a service to people who cannot get to the Library weekdays, said Nina J. Root, chairwoman of the Department of Library Services.

Earlier this year, the Library extended its Wednesday hours to 8:30 p.m. It opens on weekdays at 11 a.m. and closes at 4 p.m.

The Museum's Library, a research facility for scholars and the public at large, is one of the world's largest on natural history subjects. It houses a collection of 400,000 books and serial publications in the anthropological, mineralogical and zoological sciences.

During the new Saturday hours, the Library's special collections (photographic, film and archives) are available by appointment only.

LIGHTING OF ORIGAMI TREE BEGINS HOLIDAY SEASON AT AMERICAN MUSEUM

Crowned by a spectacular 30-foot celestial mobile and festooned with more than 1,500 paperfolded ornaments, the 15th annual Origami Holiday Tree was lit in the Roosevelt Memorial Hall on Nov. 23. Alice Gray, scientific assistant emerita in the Department of Entomology, and originator of the Origami Holiday Tree tradition, had the honor of lighting the tree.

This year marks Miss Gray's 50th anniversary with the Museum. She was introduced at the lighting ceremony by Trustee Arthur Ross. The tree is presented each year through the generous support of the Arthur Ross Foundation.

Miss Gray is the president of The Friends of the American Center of America, a nonprofit educational arts organization headquartered here.

This year's 25-foot artificial white pine, differs greatly from the original tree, which was only three feet tall and was located in the Entomology Department. That first tree was decorated exclusively with origami insects which Miss Gray had taught herself to make from books.

Over the years, Miss Gray; her student Michael Shall, professional paperfolder and founder of The Friends of the Origami Center of America, and many Museum volunteers have lent their paperfolding skills to the enrichment of the Origami Holiday Tree.



An origami Stegosaurus designed by paperfolder John Montroll.

HERE AND THERE

ADMISSIONS CONTROL: Joining as part time supervisors are **Miguel Southwell** and **James Yu**.

ANTHROPOLOGY: **Gretchen Anderson** has joined as assistant conservator...**Marian Kaminitz** has been placed on permanent staff as assistant objects conservator...**Craig Morris**, chairman and curator; **Ian Tattersall**, curator; and **Laurel Kendall**, assistant curator, have just returned from successful field trips...**Peter Kvietok**, research and exhibit assistant, recently returned from teaching in Chile.

BUILDING SERVICES: **Roscoe Holmes** and **Sancell Reid** have joined as Museum attendant guards.

CONSTRUCTION: Welcomed as Museum maintainers are **Franklin Brookes**, **Gabriel Culea**, **Deryck Gill** and **Manuel Rosa**.

DEVELOPMENT AND PUBLIC AFFAIRS: **Linda Shutkind** is welcomed as the secretary in Guest Services...Joining the Volunteer office as part time telephone supervisor on weekends and holidays is **Johnny Woo**. **Mitzi Bhavnani**, manager for Volunteers and Information Desk Services, spoke at the annual fall conference of the Long Island Museums Association held at Hofstra University. She also attended the national conference of the Association of Volunteer Administration in Chicago.

EDUCATION: **Ann Prewitt** and **Gabrielle Tannor** are new Museum instructors. **Marlene Ress** joined as part time

weekend supervisor at the Leonhardt People Center.

ENTOMOLOGY: **Maureen Hamilton** is welcomed as secretary... **Eric Quinter** is the new scientific assistant...**David A. Grimaldi**, assistant curator, spent the last two weeks of September working in the insect collection at the British Museum (Natural History) in London. Most of his time was spent perusing the curated and unsorted collections there, from which nearly 2,000 specimens of *Drosophilidae* were borrowed. These specimens will be used as part of Dr. Grimaldi's long term revisionary study on the primitive *drosophilids*. While in London, Dr. Grimaldi was also able to take notes on the British Museum's insect hall to prepare ideas for a future hall at the American Museum.

EXHIBITION AND GRAPHICS: The new part time projectionist is **Stephen Handzo**. Joining as the new secretary is **Elizabeth Naldrett**... **Robert Raasch** joined as assistant designer.

FINANCIAL OFFICE: Assistant to the controller is **Alfredo Guerrero**.

GENERAL SERVICES: **Kenneth Hamilton** is the new assistant manager.

HERPETOLOGY AND ICHTHYOLOGY: **Steven Leipentz** joins as research fellow...Curator **Richard G. Zweifel** spent six weeks last summer collecting frogs, lizards and turtles in Papua New Guinea. He reports that if it had rained as much there as it did in New Jersey after his return, he might have been able to bring back twice as many specimens...**Allison Handler** has been awarded a Samuel and May Rudin High School Internship for fall/winter 1987. Ms. Handler, a senior at Hunter College High School, will be working with Curator Charles Cole and Senior Scientific Assistant Carol Townsend on Dr. Cole's unisexual lizard project...Curator **Charles Myers'** son, Charles, was married last January and his daughter, Tracy, married in October...SUNY Press recently released the title "Fisheries Research in the Hudson River," edited by **C. Lavett Smith**, curator...Research Associate **Colin Patterson**, of the British Museum, spent two weeks in October working in the department.

LIBRARY: **Marc Epstein** is part time library assistant...**Marla Sherman** is the new secretary. **Nina J. Root**, chairwoman of Library Services; **Valerie Wheat**, assistant librarian for reference services; and **Miriam Tam**, assistant librarian for technical services participated in the TANSIL (The Associated Natural Science Institutions' Libraries) network planning meeting on Oct. 13 and 14 at the New York Botanical Garden.

MAINTENANCE: New Museum attendant guards are **Roberta Choquepuma**, **Loretta Foster** and **James Presha**.

MAMMALOLOGY: **Bonnie Bain** joins as part time curatorial assistant.

MINERAL SCIENCES: **Christopher Friedrich** joins as research fellow.

MUSEUM SHOP: **Isabelle Blau**, **Starr Duncan**, **Fenton Li**, **Yvonne Miranda** and **Susan Wolff** are all welcomed as part time sales assistants.

NATURAL HISTORY MAGAZINE: **Elise-Marie Buckles** is the new part time membership assistant...**Gerard Koch** joined as part time membership desk assistant.

ORNITHOLOGY: **Jonathan Becker** and **Angello Caparella** joined as Chapman Fellows...**Charles E. O'Brien**, retired assistant curator recently passed away. Members of the Department of Ornithology send their condolences to his widow and their three children.

PAYROLL: **Thomas Herrera** is welcomed as the new payroll assistant.

PLANETARIUM: **Dennis Davidson** joins as astronomical artist...**Russell Springer** is the part time sales assistant.

Grapevine



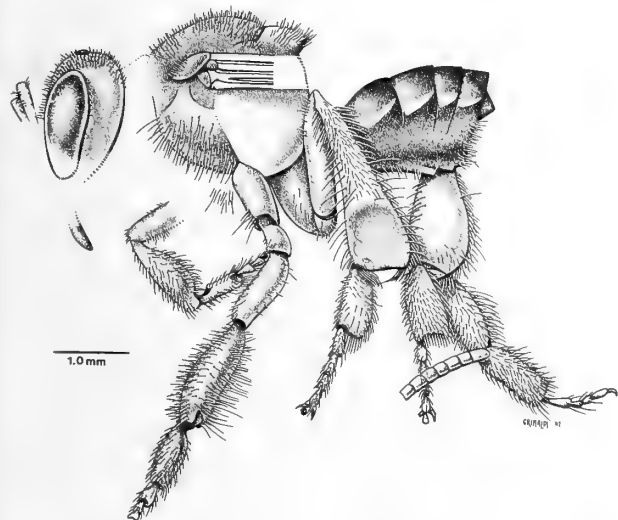
American
Museum of
Natural
History

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OLDEST FOSSIL BEE DISCOVERED IN MUSEUM'S AMBER COLLECTION

An 80-million-year-old fossil bee entombed in a walnut-size piece of amber was discovered by an American Museum entomologist in the Museum's own mineral collection. The find doubles the previously known age of bees and, because it is a relatively advanced bee, raises questions about the evolution of bees and of flowering plants.



Assistant Curator David A. Grimaldi's rendering of the 80-million-year-old fossil bee that was discovered in the Museum's amber collection.

Assistant Curator David A. Grimaldi, who has an interest in insects fossilized in amber, was looking for them in a collection of minerals that the Museum purchased in 1980 from Columbia University. Alerted to the amber by Senior Scientific Assistant Joseph J. Peters of the Department of Mineral Sciences, Dr. Grimaldi quickly recognized that one piece contained a bee. The piece came from Kinkora, a village in Burlington County, N. J. The state is known for its amber dating to the Cretaceous period, 135 to 65 million years ago.

Amber fossils form when an insect (or sometimes another small animal) becomes trapped in a sticky resin exuded by some kinds of trees. The resin hardens into amber over hundreds of thousands of years, preserving the specimen.

The oldest insects of any kind found in amber come from Lebanon and are about 120 million years old. Amber fossils nearly as old come from the eastern United States. Other well-known locations for amber fossils include the Dominican Republic and the Baltic Sea region.

Dr. Grimaldi and Research Associate Charles D. Michener

of the University of Kansas have described the bee for scientific publication. They concluded, based upon characters preserved and easily seen in the amber, that the bee represents a new species of the genus *Trigona*, which has living representatives.

In fact, the probable closest relative of the fossil is a species that lives from the Amazon Basin to Panama. The fossil is a stingless honey bee, in the subfamily *Meliponinae* which now occurs only in tropical regions. During the Cretaceous period, the northeastern United States had a subtropical climate.

The stingless honey bees are considered an advanced family of bees. If the oldest known bee is from an advanced group, then the origin of bees must be far earlier than 80 million years ago.

Many scientists believe that the origin and diversification of the flowering plants went hand in hand with that of the bees, on the supposition that many flowers required bees to pollinate them and bees required flowers for the food they provided as pollen and nectar.

To date, the best evidence for the origin of flowering plants points to the early Cretaceous, about 135 million years ago. This fossil is entirely consistent with that date; it may suggest that flowering plants originated even earlier or that the earliest bees used food sources other than the pollen and nectar of flowering plants.

NEW RECORD SET FOR UNITED WAY GIVING

In true holiday spirit, almost 400 Museum employees, reached out to those less fortunate and contributed to yet another record-breaking United Way Campaign. The campaign was held during the last week of November and the first two weeks of December.

Sixty percent of all employees participated, generating an outstanding \$15,062.95 in contributions to the United Way. The agency is celebrating its 100th anniversary this year.

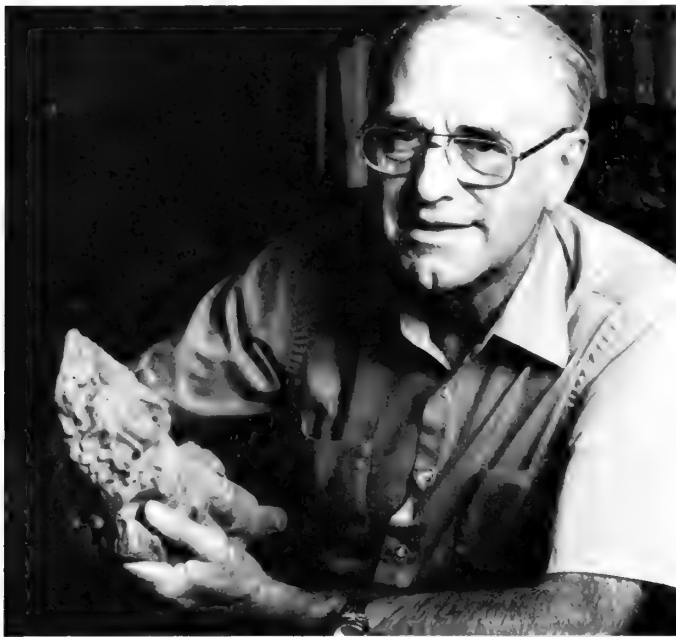
More people contributed through the payroll deduction plan, and as a result the average gift reached a high of \$38.52. Last year's average gift was \$35.

This year's United Way Campaign Chairwoman Ruth McCrea, general manager of *Natural History*, said: "This is a tribute to people who work at the Museum. Their concern, involvement and generosity are truly outstanding."

In addition to the chairwoman and Assistant Chairman Sid Horenstein, senior scientific assistant in the Department of Invertebrates, 40 coordinators also worked on the successful campaign.

THEIR PASSING IS MOURNED

Two curators emeriti and a Museum associate died in the latter part of last year. The Museum offers its deepest sympathy to their families.



Gordon F. Ekholm

Gordon F. Ekholm, curator emeritus in the Department of Anthropology, died Dec. 17, at the age of 78. He lived in Pleasantville, N. Y.

Dr. Ekholm, an authority on the preColumbian archeology of Mexico and Central America, devoted much of his career to studying transpacific connections between the old and new worlds and the possible relationships between ancient Maya and other American cultures with the civilizations of eastern Asia.

Born in St. Paul, Minn., he received his B. A. degree from the University of Minnesota, and earned master's and doctoral degrees in anthropology at Harvard University.

He joined the staff of the Museum in 1937 and became an assistant curator in 1942, an associate curator in 1947 and curator in 1957. After retiring in 1974, he was named curator emeritus and continued to consult on Museum projects.

Throughout his career, he participated in and headed many digging expeditions in Mexico, Guatemala, Honduras and the former British Honduras, now Belize.

In 1949, Dr. Ekholm presented an exhibition at the Museum showing parallels between advanced cultures in southern and eastern Asia with the Mayan civilization, which flowered between 300 A. D. and 900 A. D. He proposed that the Mayans' forebears had migrated across the Pacific, a theory which became a major focus of his career.

As curator, Dr. Ekholm organized the permanent installation of the Hall of Mexico and Central America in 1970.

Dr. Ekholm was president of the Society for American Archaeology from 1953 to 1954 and of the Institute of Andean Research from 1968 to 1971. He lectured on Mexican and Mayan archeology at Columbia University from 1943 to 1971, and had been a consultant for the Museum of Primitive Arts, now part of the Metropolitan Museum of Art.

Dr. Ekholm contributed extensively to various journals and symposium volumes. His work appeared in *Curator*, *Natural*

Museum of Natural History, as well as in *American Antiquity* and the *American Anthropologist*.

Dorothy E. Bliss, curator emerita in the Museum's Department of Invertebrates, died Dec. 26, in Providence, R. I. She was 71.

Dr. Bliss was a neuroendocrinologist whose life work was devoted to the study of hormones in crustaceans. From 1957 to 1978, her research on land crabs was supported by the National Science Foundation.

She received an A. B. degree, cum laude, in 1937, and an Sc. M. in 1942, from Brown University. She earned her Ph. D. in biology from Radcliffe College in 1952. In 1972, she was awarded the honorary degree of Sc. D. by Brown.



Dorothy E. Bliss

She joined the Museum as assistant curator of invertebrates in 1956, and was promoted to associate curator in 1962 and curator in 1967. From 1974 to 1977, Dr. Bliss served as chairwoman of the Museum's Department of Fossil and Living Invertebrates, as the Department of Invertebrates was then called. It was under her leadership that the two separate departments, Fossil Invertebrates and Living Invertebrates, were merged. She became curator emerita in 1980.

Dr. Bliss authored and edited numerous books, published more than 40 articles and served on the editorial boards of a number of publications.

Dr. Bliss was a fellow of the American Association for the Advancement of Science and president of the American Society of Zoologists.

Lois H. Heilbrun, an associate in the Museum's Department of Ornithology, died Oct. 21, in New York City. She was 65.

Mrs. Heilbrun, whose association with the Museum spanned more than 40 years, joined the Department of Education in 1945 after her graduation from Adelphi University. Starting as a projectionist, she advanced to instructor, senior instructor and was assistant chairman upon her retirement in 1971. She coauthored three books for children.



Lois Hussey Heilbrun

In 1984, Mrs. Heilbrun returned to the Museum as a volunteer in the Department of Ornithology, becoming an associate in 1985.

She joined the Linnaean Society of New York in 1950 and served as treasurer and archivist for many years and as president from 1977 to 1979. With other members of the Society, she helped reestablish a habitat for terns on Great Gull Island and for 35 years kept a protective interest in the colony.

A HAPPY TIME AT ANNUAL CHILDREN'S CHRISTMAS PARTY

There was plenty of holiday fun at the Museum's annual Children's Christmas Party on Dec. 16.

The festivities began with an entertaining and spirited performance by "Silly Billy," a clown. Silly Billy performed magic tricks that delighted the audience of 400 children related to Museum employees.

Then it was on to the Hall of Ocean Life, where Santa gave presents to all the kids, and where a repast of hot dogs, ice cream, cake and soda, was served.



Larry Van Praag's daughter, Susan, 9, enjoys a laugh at the Silly Billy show in the Main Auditorium. Larry is the chief projectionist in the Audio-visual Department.



Captivated by Silly Billy's energetic performance is 4-year-old Nicholas Martir, nephew of Magdeline Vargas, senior clerk in General Services



Holding on tightly to Santa's gift is Christina Batista, goddaughter of Rose Williams, Museum attendant guard Christina is 3



Twins, Alicia and Benjamin Van Couvering, 5, are deep in concentration at one of the activity tables. They are the children of John A. Van Couvering, editor of *Micropaleontology Press*, and his wife, Enid Schildkrout, curator in the Anthropology Department.



Jimmy, 7, and Carol Houghton, 5, children of Discovery Tours Associate Richard Houghton, enjoy more of Silly Billy's antics after his performance

...AND THE PARTY CONTINUES



Hannah Janal, 6, enjoys herself at one of the activity tables for the children. She is the daughter of Martin Janal, consulting editor for *Micropaleontology Press*.



Ready to rock 'n roll is 3-year-old Andrew Campbell, nephew of Pat Brunauer, senior secretary in the Department of Mammalogy.



Watching the shadow puppets is Tasha Beltran, 6. Tasha is the niece of Jean Augustin, technician in the Department of Mammalogy.



Alexis Sarandon, 3, her sister Stephanie, 5, and cousin Michelle Jasmine, also 3, take a breather in the Hall of Northwest Coast Indians. They are the granddaughters of Deborah Cooper, reception center supervisor in Education. Alexis and Stephanie's dad is actor, Chris Sarandon.



Emily Woodward, 4, roars with laughter at one of Silly Billy's antics. A more pensive Dina Twain, 5, looks on. They are both nieces of Maureen Hamilton, secretary in the Entomology Department.



Eighteen-month-old, Leanna Rodriguez enjoys some ice cream in the Hall of Ocean Life. She is the daughter of Anibal Rodriguez, technician in the Department of Anthropology.

AKELEY GALLERY EXHIBITION ON PLAGUES TO RUN THROUGH MARCH 13

Infectious diseases over the past five centuries, from the bubonic plague of the Middle Ages to modern times, are the focus of an exhibition in the Akeley Gallery. The exhibition will run through Sunday, March 13.

"In Time of Plague" examines human responses to contagious diseases as traced through some 100 prints, posters, photographs and artifacts. Specimens of animals that have carried infectious diseases, including armadillos, marmots and rats, are also exhibited.

Smallpox goddesses from China, India and Korea, and charms against disease from Africa and Siberia are presented. Among the memorabilia on view is sheet music for the songs "Scarlet Fever Jane" and the "Epidemic Rag."

"In Time of Plague" shows the particular afflictions that evoked the greatest terror in every era: from the 15th to the 17th centuries, it was bubonic plague and leprosy; smallpox in the 19th; cholera, tuberculosis and syphilis in the 19th and 20th centuries, and in recent years, AIDS.

Artists' renderings were bound by conventions of representation, style and beliefs that differed in each period of time. Their art reflects changing perceptions about the spread of diseases, and their causes and cures.

Selected images show the process by which plagues gradually became understood as infectious diseases. The progress of science and social reform against disease is depicted through the work of such well-known artists as

Guest cocurators for the exhibition are Daniel M. Fox, professor of humanities in medicine at the State University of New York at Stony Brook, and Diane R. Karp, past curator of the *Ars Medica* collection at the Philadelphia Museum of Art. The exhibition was coordinated by Arien Mack, professor of psychology at the New School for Social Research and editor of *Social Research*. Laurel Kendall, curator in the Department of Anthropology, is the Museum's coordinator for the exhibition.

After the exhibition closes here, it will travel nationally under the auspices of the Smithsonian Institution Traveling Exhibition Service.

"TIFFANY: 150 YEARS OF GEMS AND JEWELRY" OPENS IN MARCH

An exhibition of stunning jewelry, which will include diamond bow brooches, platinum line bracelets, classic gemstone rings and unique jewelry designs reflecting the natural world, will dazzle Gallery 1 visitors in April.

"Tiffany: 150 Years of Gems and Jewelry," commemorates the anniversary of the company and highlights the evolution of jewelry design in the United States, focusing on Tiffany's role as designer, manufacturer and purveyor of fine jewelry. It will open Wednesday, March 30, and continue through Sunday, June 5.

The exhibition will concentrate on three categories: American gemstones, artistic achievement, and exquisite wearable jewelry. Most of the jewelry pieces belong to private collectors and have never been displayed in New York.

Nearly 100 breathtaking objects will illustrate Tiffany's contributions to jewelry design and the company's introduction of gemstones from North America to the rest of the world. The exhibition will be enhanced by outstanding specimens of American gem minerals, including many from the Museum's collection. One section of the exhibition will deal with the shared history of Tiffany and the Museum through the work of noted gemologist, George F. Kunz.

The collection of rare American gemstones will include a 13-carat Yogo sapphire from a mine in Montana. There will also be a blue and green azurite/malachite slice from Arizona.

The exhibition will also reflect Tiffany's classic designs in exquisite wearable jewelry. Pieces include floral motif brooches and jeweled watches. Among the watches is the enameled and diamond pocket watch owned by the famed escape artist Harry Houdini. Its chain was fashioned of miniature handcuffs.

Tiffany's current designers: Paloma Picasso and Elsa Peretti, present contemporary jewelry design classics in the exhibition. Exquisite designs by the late Jean Schlumberger will also be highlighted.

The first major collection assembled by Tiffany and Dr. Kunz, a vice president at Tiffany and honorary curator in precious stones at the American Museum, consisted of precious and ornamental stones of North America. Museum Trustee J. P. Morgan purchased the collection and presented it to the Museum in 1890.

A second collection assembled by Tiffany and Dr. Kunz was purchased by Mr. Morgan and also presented to the American Museum. The acquisition of these two collections placed the Museum's holdings among the preeminent gem collections in the world.



"La Syphilis," a French colored lithograph from 1926, warns that syphilis is a major social problem. The top heading reads: "Syphilis is a social disaster with an uncountable number of victims." The lithograph, from the collection of Dr. William Helfand, is one of the 100 objects in the special exhibition, "In Time of Plague."

Honoré Daumier, James Ensor and James Gillray. In the closing decades of this century AIDS put an end to the optimistic assumption that the problems of controlling infectious diseases had largely been solved. Some artists have represented AIDS with conventions recalling those used in the earliest images of the exhibition—biblical allusions and helpless individuals with stigmatizing sores—while many use photography, a distinctively 20th century convention. The exhibition is funded by the Rockefeller Foundation.

INTERNATIONAL OUTREACH AT SOUTHWESTERN RESEARCH STATION

The volunteer program at the Southwestern Research Station, which offers students the opportunity to conduct research under scientists, is attracting more students from other nations. In 1987, there were six volunteers from foreign countries, in contrast to one the year before.

The volunteers are undergraduates, recent graduates and graduate students interested in pursuing their career goals in a field biological research setting.

The Station, located near Portal, Arizona, offers volunteers room and board in exchange for four hours of maintenance work at the Station each day. Volunteers may choose from a variety of such chores. The balance of their time is spent helping scientists in field or laboratory research. They may also pursue individual scientific projects approved by the resident director.

Some volunteers come with specific areas of interest, while others discover their interests by working under different researchers until they choose a project. They typically remain at the station from one to six months.

Wade Sherbrooke, who became the Station's director in 1986, brought the volunteer program to the attention of a wide audience. It was advertised nationally in publications such as the Newsletter of the Animal Behavior Society, the Ornithological Society Newsletter and *Herpetological Review*.

Last year, there were a total of 19 students in the volunteer program from here and abroad. They worked under scientists associated with the Museum as well as with other researchers.

In 1986, Great Britain was represented by a single volunteer at the Station. In 1987, a volunteer from Great Britain, as well as one from France, two from Italy and two from Canada, worked in the program.

David Vagg, from Queen Mary College at the University of London, conducted research on the transmission of flatworm parasites between spadefoot toads. Marie Alliney, from the Museum National D'Histoire Naturelle, Laboratoire de Zoologie (Arthropodes) in Paris, studied invertebrates such as centipedes, scorpions, tarantulas and other arthropods.

Paola Nidiaci, who wants to pursue a career in veterinary medicine, and her sister Nicolleta, who is studying biology, came to the Station from Florence. Caroline Leff, who is interested in evolutionary biology, and David Seburn, who is studying geography, are both from Canada.

Some of the volunteers go on to become research assistants to the scientists under whom they have worked at the Station.

HERE AND THERE

ADMISSIONS CONTROL: Anthony Presswood joined as part-time cash analyst.

ANTHROPOLOGY: Frances Julia Kvietok was born to Christina and Peter D. Kvietok, exhibition and research assistant, on Dec. 23...Paula C. Dowling is a new scientific assistant.

BUILDING SERVICES: Helen Carroll and Dorothea Chain are welcomed as attendant guards.

CONSTRUCTION: Joining as maintainers are Sylvester Layne and James Martinez.

DEVELOPMENT AND PUBLIC AFFAIRS: Henry Schulson, manager of membership services, has been named manager for Development...Christopher C.

Stromee joined as assistant manager...Susan Phillip is the new secretary in Public Affairs...Lillie Balinova is the new part-time radio series assistant in Public Affairs...Mitzi Bhavnani, manager for Volunteers and Information Services, chaired a panel discussion on recruitment and recognition of volunteers at the Annual Meeting of the Mid-Atlantic Association of Museums in Saratoga Springs, N. Y...Volunteers working with Martin Cassidy, manager of the reproduction team, were honored for their work in a recognition ceremony at City Hall on Dec. 7, hosted by Manhattan Borough President David N. Dinkins...Antoinette Pinkney is the new part-time Information Desk supervisor.

ENTOMOLOGY: The Annual Meeting of the Entomological Society of America held in Boston, Nov. 29 to Dec. 3, was attended by Norman I. Platnick, chairman and curator; Jerome G. Rozen, curator; Randall T. Schuh, curator; David A. Grimaldi, assistant curator; James S. Miller curatorial fellow; Charles Griswold, Kalbfleisch Fellow; Darlene Judd, scientific assistant; Michael S. Schwartz, scientific assistant, and Gary M. Stonedahl, research associate. Dr. Schuh was program chairman for the society's section on Systematics and Evolution, and Dr. Miller coorganized a symposium on the Phylogenetics of the Lepidoptera.

EXHIBITION AND GRAPHICS: The following employees have been promoted: Mark Gostnell, from preparator, to principal preparator; Robert Muller and Lucy Hobbie from intern preparators to preparators; Lauriston Marshall, from principal preparator to coordinator of special exhibitions. Robert Raasch has joined as assistant designer...Giovanna Testani is the new senior principal artist.

FINANCIAL OFFICE: Renee Carson was promoted from senior secretary to administrative secretary.

GENERAL SERVICES: Magdeline Vargas was promoted from Museum attendant guard to senior clerk.

HERPETOLOGY AND ICHTHYOLOGY: Curator Charles W. Myers spent Nov. 22 to Dec. 5, searching for tropical poison frogs in Venezuela...Thomas Trombone was promoted from secretary to Museum technician...Patricia Escalante joined as part-time research assistant.

INVERTEBRATES: Andrew Model joined as curatorial assistant.

LIBRARY: Diana Shih, senior cataloging librarian; and Frank Chiu, cataloging librarian, attended the American Library Association Seminar on Serial Cataloging held in Boston...Barbara Mathé was promoted from part-time supervisor to senior clerk...Welcomed are Richard Storrow and Agnes McKenzie as part-time library assistants...Priscilla Watson is the new senior acquisitions librarian; John Hansen is welcomed as secretary and Victor Morales as senior clerk.

MAINTENANCE: New as maintainers are Wilfred Brathwaite and Morgan Gabriel...Alberto Bracero and Christopher Rawlings joined as attendant guards.

MUSEUM SHOP: Judith Levin, Daliah Glasgow, Sheila Crandle and Sydel Tyson are new part-time sales assistants...Wayne Sinhart was promoted from part-time sales assistant to part-time supervisor.

NATURAL HISTORY MAGAZINE: Vivian Mahlab is the new advertising production coordinator.

PLANETARIUM: Joseph Farrington joined as part-time planetarium assistant.

PURCHASING: Selena Gildea is the new secretary.

VERTEBRATE PALEONTOLOGY: John Winsch joined as senior artist.



MARCH / APRIL 1988

Vol. 45, No. 2

MUSEUM HOSTS PILOT CAMP-IN PROGRAM

Equipped with sleeping bags and flashlights, 151 Girl Scouts representing 12 troops from the tri-state area slept overnight at the Museum and benefitted from an intense educational experience. The Museum's inaugural "Camp-In" program took place the weekend of March 25-27 and was sponsored by the Education Department.

It was the first program of its kind undertaken by a New York City museum. The program promises to become a regular feature at the Museum, with six Camp-Ins planned annually.

"Camp-In is an exciting opportunity to give young people a unique educational experience," said Director Thomas D. Nicholson.

In keeping with the Camp-In theme, "Women in Science," women scientists from the Museum led workshops in anthropology, mineralogy and ecology. The goal was to give girls 9 to 12 the opportunity to discover and explore the natural sciences, and to develop a strong and lasting interest in them.

Camp-In was divided into two sections. The first group of 47 Girl Scouts arrived Friday afternoon and stayed at the Museum until the closing ceremony at noon on Saturday. A second group of 104 arrived on Saturday afternoon and stayed overnight.

In each session Girl Scouts chose one from a selection

of five workshops. Workshop topics were: "The Search for Bones," "Meeting the Shark Above Water," "Arrowheads and Quills," "Night Visions" and "Crystals of the Earth." Each workshop was limited to 20 girls.

Campers spent the night among the polar bears, seals and the giant blue whale in the Hall of Ocean Life and the Biology of Fishes. A special program "The Dinosaurs at the Museum," included a late night flashlight tour of the Dinosaur Halls. For the night owls, a midnight movie, "Time Bandits," was shown. Those who preferred to listen to stories rather than watch the movie did so at the campsite in the Hall of Ocean Life.

In the morning there was an "Early Risers" program of short nature and anthropology films, after which breakfast was served.

Wildlife lecturer, Andy Simmons, brought along special live "guest stars," including a black leopard, python, Great Horned Owl, Golden Eagle and a 10-week-old black bear cub for a program on the behavior and adaptation of wild animals to their environments.

The closing ceremonies took place in the Linder Theater from 11:30 a.m. until 12 p.m.

About 40 Museum volunteers helped out during Camp-In weekend.



How many Girl Scouts does it take to hold a 75-pound Burmese python? At least six Camp-In participants and wildlife lecturer Andy Simmons to oversee the exercise

WESLEY E. LANYON, LAMONT CURATOR OF BIRDS, TO RETIRE IN JULY

Wesley E. Lanyon, Lamont Curator of Birds, and former chairman of the Department of Ornithology, will retire from the Museum on July 1. Since coming to the Museum 31 years ago, Dr. Lanyon has studied the ecology, behavior and systematics of many groups within the order, Passeriformes, especially the tyrant flycatchers, the largest family of birds in the New World.



Wesley E. Lanyon

Among Dr. Lanyon's most significant work is his study of hybrid sterility in meadowlarks, published in 1979 in the journal *Nature*. This study demonstrates the effectiveness of genetic isolating mechanisms between species—the first study known to have been done with captive songbirds. In earlier studies, Dr. Lanyon showed that differences in mating calls between the meadowlark species are the principal isolating mechanisms among wild birds.

Dr. Lanyon has published more than 100 scientific papers in journals including the *Auk*, *Condor*, *Ecology*, *Ibis*, *Wilson Bulletin*, *Nature*, *American Museum Novitates*, and the *Bulletin of the American Museum of Natural History*. He is the author of two books, "The Comparative Biology of the Meadowlarks (*Sturnella*) in Wisconsin," and "Biology of Birds," and was coeditor of "Animal Sounds and Communication."

An active field researcher, Dr. Lanyon has conducted studies in North and South America, including the West Indies and the Galapagos Islands. He has also led Discovery Tours to the Galapagos, Mediterranean, Egypt and Scandinavia.

Dr. Lanyon was adjunct professor of biology at the City University of New York, where he served as adviser to many graduate students over the years. Dr. Lanyon was the only director of the Museum's former Kalbfleisch Field Research Station, in Huntington, N.Y., where he conducted a National Science Foundation training program on field and laboratory techniques for college undergraduates.

He is a recipient of the highly prestigious Brewster Medal

from the American Ornithologists' Union (A.O.U.), and has received numerous other awards, including those from the National Science Foundation, American Philosophical Society and Frank M. Chapman Memorial Fund.

Dr. Lanyon was vice-president of the A.O.U. from 1974-1976, and president from 1976-1978. He served on the Administrative Board of the Laboratory of Ornithology at Cornell University and was reviewer for the National Science Foundation and for numerous scientific journals. He is a member of the A.O.U., the Wilson Ornithological Society, the Cooper Ornithological Society, the Society of Systematic Zoologists and the Linnaean Society of New York.

For 15 years, Dr. Lanyon conducted field studies at the Kalbfleisch Station and in Central and South America. When the station closed, Dr. Lanyon switched his research focus to the laboratory and studied the relationships among higher taxonomic categories of the tyrant flycatchers. He collaborated with his son, Scott M. Lanyon, of Chicago's Field Museum of Natural History, on a taxonomic study of one species of flycatcher.

Dr. Lanyon and his wife, Vicky, will spend half the year in Virginia and the other half in the Adirondacks. He says he will be able to spend a lot of time in the field banding birds and continuing his population studies of Boreal and Black-capped chickadees.

NATIONAL VOLUNTEER WEEK IS OBSERVED THE WEEK OF APRIL 17-23

The Museum is joining other institutions throughout the country in celebrating National Volunteer Week, April 17-23. During the week, all Museum volunteers and employees who volunteer (at hospitals, churches, sports, etc.) are encouraged to wear a red "V." The program is designed to identify volunteers and encourage others to volunteer.

The red "Vs" are available to volunteers at the 1st Floor Information Desk in the Theodore Roosevelt Memorial Hall.

"The Museum is deeply indebted to its more than 500 volunteers," said Mitzi Bhavnani, manager of Volunteers and Information Desk Services. "Museum volunteers gave a total of 98,927 hours during the fiscal year 1986-1987."

Although volunteers are most visible leading Museum Highlights Tours and working behind the Information Desks, they contribute their services throughout the Museum.

In the Department of Library Services, volunteers catalog and also work in the archives and with the photographic collection. Volunteers at *Natural History* help with fact checking, photo research and administrative duties.

Volunteers are also invaluable to the scientific departments. In the Department of Vertebrate Paleontology, volunteers have helped with the cleaning, preparation and mounting of tiny fossil teeth. Volunteers are also involved with the Museum's research stations. At Great Gull Island, they band birds and collect breeding data.

More than 50 Museum volunteers contribute a total of 8,000 hours annually to fold and prepare the ornaments for the Origami Holiday Tree.

Volunteers work at the Museum seven days a week, contributing their services even on holidays and evenings. At Legislators Night, on Jan. 28, volunteers gave tours of the Museum's Carthage exhibition to city and state legislators. They also helped out at the Museum's overnight "Camp-In" for Girl Scouts on March 25-27.

"IN THE REALM OF THE WILD: THE ART OF BRUNO LILJEFORS OF SWEDEN" CONTINUES THROUGH AUGUST 7

"In the Realm of the Wild: The Art of Bruno Liljefors of Sweden," an exhibition of wildlife art by painter Bruno Liljefors (1860-1939), opened in the Naturemax Gallery on Friday, April 15, and continues through Sunday Aug. 7. For the first time in the United States, Liljefors's art is presented in a one-person exhibition.

Liljefors's work is well known throughout Sweden. He is considered by some art historians among the greatest of wildlife painters. His subjects include the waterfowl, birds of prey and game animals of his native Sweden.

"In the Realm of the Wild: The Art of Bruno Liljefors of Sweden," includes 45 paintings and 15 watercolors and drawings. It was organized by the Gothenburg Art Gallery in Sweden.

The exhibition coincides with the 350th anniversary of the founding of the first Swedish colony in North America in 1638. In 1988, about 1,000 events will take place throughout the United States observing the founding of the colony.

From childhood, Liljefors enjoyed observing wild animals. He felt a strong kinship to them and was fascinated by their adaptation to their environment. His formal art training began in 1879 when he was admitted to the Royal Academy of Art in Stockholm, where he won prizes in animal drawing.

He developed a sharp eye and visual memory for rendering wild animals, which are so active and elusive in their natural habitats. Liljefors's animal portraits are unique in that the animals as well as the landscapes of their habitats are equally important components of each composition.

In the painting "Settling Wild Geese" (1899), the curve of the settling flock creates the action. As the wings of the birds are set, their landing is assured by the reflection in the marsh.

The painting "Whinchat" (1906), embodies Liljefors's love of the sparse terrain of the Uppland area of Sweden. A subtle study of browns, the drab grass and juniper barely provide contrast for the bird's reddish breast, the only colorful area in the whole landscape.

After it closes in August, the exhibition will be presented at the James Ford Bell Museum of Natural History at the University of Minnesota.

ANOTHER TOUCH OF CLASS GRACES EMPLOYEE DINING AREA

Carpenters, electricians, tile setters and painters worked busily in the corridor outside the Employee Dining Room over the past few months. The corridor—from the 77th Street elevators to the school lunchrooms—was completed in late February.

Construction was done to improve the entry area to the Employee Dining Room. The corridor has a new tile floor, sheetrock and masonite walls painted off-white, new light boxes and impact protecting bumper guards running its length along the walls.

The colors and layout of the corridor were chosen to complement the Employee Dining Room. The polished aluminum ceiling was made in the Metal Shop.

Construction of the corridor is part of a continuing program of refurbishment throughout the Museum. Future projects include restoring the Theodore Roosevelt Memorial Hall, upgrading the facade lighting on Central Park West and renovating areas of the second floor.

Some thought is being given to allowing the visiting public to use the newly refurbished employee dining area corridor for easier access to and from the Food Express.

The corridor may also be used for displaying two dimensional exhibition materials.

DINOSAURS WILL INVADE CENTRAL PARK'S GREAT LAWN ON SATURDAY, JUNE 4

The American Museum and the City's Department of Parks and Recreation are collaborating on a dinosaur extravaganza on Central Park's Great Lawn, Saturday, June 4, from 11 a.m. to 5 p.m. The rain date is Sunday, June 5. "Dinosaur Day" is a family event that will bring the Mesozoic Era to life through recreational and educational activities and spectacular dinosaur models.

Staff members from the Museum will conduct workshops and give short lectures on fossils, dinosaur habitats, restoration of dinosaur bones and methods paleontologists use to reconstruct the physical proportions of dinosaurs.

Natural Science instructors, Frances Smith, Andrea Thaler, and Gabrielle Tannor, and Marcia White-Wise, manager of Teaching Programs in the Education Department, will lead the educational workshops.

Recreational activities will include dinosaur relay races, dinosaur kite flying, painting a lifesize model of Stegasaurus and taking polaroid photographs of people sitting in dinosaur footprints. A moveable, computer-operated *Parasaurolophus*, a land dwelling, biped duckbill that lived 70 million years ago during the late Cretaceous, will be on view.



The eight-foot, computer operated, *Parasaurolophus* that will be on view at "Dinosaur Day," Saturday, June 4, on Central Park's Great Lawn.

"TIFFANY" HERE THROUGH JUNE 5

This resplendent chrysanthemum brooch is made with American freshwater dogtooth pearls, diamonds, platinum and gold, created circa 1900 by Tiffany & Co. The chrysanthemum brooch is one of more than 170 pieces in the exhibition "Tiffany: 150 Years of Gems and Jewelry," in Gallery 1. The exhibition, which presents the evolution of Tiffany's jewelry design in the United States, and its role as designer, manufacturer and purveyor of fine jewelry, continues through Sunday, June 5.



FREE EDUCATIONAL OPPORTUNITIES FOR FULL-TIME MUSEUM EMPLOYEES

Museum employees can take advantage of the many learning opportunities that are offered in the Spring and Fall Lecture Series sponsored by the Department of Education. By showing their I.D. badges, employees can sit in on all series taking place in the Main Auditorium.

Among the series offered to employees and the public this spring, were such varied topics as: "The Global Community," "The Kingdom of Babylon" and "Art & Mythology."

"From the Amazon to the Andes," a four-part series that began April 14, includes a preview of the new Hall of South American Peoples on Wednesday, April 27.

Myths from China, the Middle East and the British Isles were explored in a four-part lecture series that began Monday, April 4. The legend of King Arthur; the *Miraj Nameh*, the mythical ascent of Mohammad into heaven, and the mythology of the people along the ancient silk route in China are among the topics covered in "Art and Mythology."

Full-time employees can also attend Spring and Fall Lecture Series taking place in the smaller Kaufmann and Linder Theaters, if the series are not already sold out. To enroll in these series, employees should telephone Gloria Davis, registrar in the Education Department.

HERE AND THERE

BUILDING SERVICES: Lisa Aldridge, Elizabeth Appiah, Mahabir Bahadoorsingh, Sonia Smith, Kona Sumner, Joyce Brown, and Michelle Williams are welcomed as Museum attendant guards.

CONSTRUCTION: Christopher Marine joined as museum maintainer.

DEVELOPMENT AND PUBLIC AFFAIRS: Doris B. Kraus is welcomed as Public Affairs Associate (Science Writer).

ENTOMOLOGY: Research Associates James S. Farris and Charles D. Michener, have been awarded Honorary

membership in the Society of Systematic Zoology. **Frederick H. Rindge**, curator, returned from California where he prepared a recently donated butterfly collection from biologist **Paul Ehrlich**, for transport to the Museum. . . **Norman I. Platnick**, chairman and curator, has returned from brief museum visits to England, Belgium and France. . . **Charles E. Griswold** is the new Kalbfleisch Research Fellow. . . Curatorial Assistant **Jeanne Forster** was married to **Charles Hilbert** in December.

EXHIBITION AND GRAPHICS: **Stephen C. Quinn** was promoted from senior principal preparator to assistant manager of exhibition. . . **Stephen Brois** is principal preparator and **Leslie Myers** is preparator. . . **Kevin Coffee** joined as exhibit maintenance coordinator. **Anna Abramowicz**, **Deborah Barral**, **Joanne Onorato** and **Andrea Raphael** are welcomed as intern preparators. . . **Eugene B. Bergmann**, senior exhibit designer and his wife, **Allison**, became the parents on Jan. 16 of 8-pound-14 ounce **Evan**. . . Members of the Exhibition Department send their condolences to the family of **William Fish**, who died on March 1. He had retired as senior principal preparator in 1984.

GENERAL ACCOUNTING: **Marcia Thompson** joined as senior clerk.

GUEST SERVICES: **Isabelle Reboh** is the new secretary.

HERPETOLOGY AND ICHTHYOLOGY: **Frances J. Irish**, research fellow, presented a paper on "The Mechanics of Food Processing and Transport in the Serrasalmine Fishes *Piaractus* and *Clossoma*" at the meeting of the American Society of Zoologists in New Orleans. In February, Dr. Irish did research on snakes at the University of Kansas and lectured there on "The Evolution of Feeding Mechanisms in Piranhas and Pacus." **C. Lavett Smith**, curator, went to the Turks and Caicos Islands in January for 15 days to research the killifish. . . **Michael L. Smith**, assistant curator and Kalbfleisch fellow, collected larval fishes in Hispanolia in January. . . **Zhao Tie-giao**, vice director for the Shaanxi Institute of Zoology, Peoples Republic of China, is working at the museum for a year to study the Museum's holdings of fish from China and to learn more about their systematics

. . . **Michael W. Klemens**, senior scientific assistant, was appointed a member of the Land and Freshwater Turtle Specialist Committee of the International Union for the Conservation of Nature. . . Graduate student **Carl J. Ferraris, Jr.**, successfully defended his Ph.D. thesis, "The Auchenipteridae: Putative Monophyly and Systematics, with a Classification of the Neotropical Doradoid Catfishes (Ostariophy: Siluriformes)."

INVERTEBRATES: **Neil H. Landman**, assistant curator, coedited the book, "Nautilus: The Biology and Paleobiology of a Living Fossil."

LIBRARY: Chairwoman **Nina J. Root** and **Valerie Wheat**, assistant librarian for technical services, attended the American Library Association's midwinter conference in San Antonio.

MUSEUM SHOP: **Wilma Forrest** and **Mildred Iman** have joined as full-time sales assistants. . . **Maureen Wilson** is part-time supervisor.

NATURAL HISTORY MAGAZINE: **James Moske** joined as editorial assistant. . . **Brunilda Ortiz** is the new secretary. . . **Sheila M. Greenberg** was promoted from assistant volunteer manager to manager of membership services.

ORNITHOLOGY: **Regina Cassidy** joined as secretary.

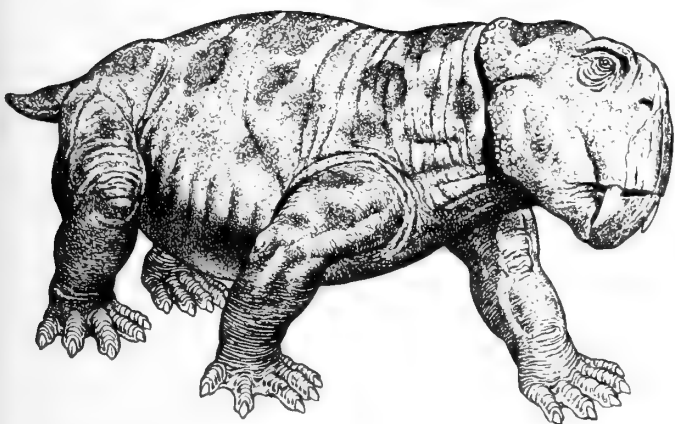
PLANETARIUM: **Philip Chu** is part-time sales assistant.



MAY/JUNE 1988

VOL. 45, NO. 3

"FROM THE LAND OF DRAGONS" TO OPEN IN JULY WITH FOSSILS FROM CHINA



Lystrosaurus is a plant-eating animal that lived about 225 million years ago. Several Lystrosaurus skulls will be included in "From the Land of Dragons." Although commonly mistaken for a dinosaur, Lystrosaurus is more closely related to mammals.

"From the Land of Dragons," an exhibition of reptile and mammal fossils from the People's Republic of China, will open in Gallery 1 on Friday, July 22, and continue through Sunday, Jan 1. The Museum and the Institute of Vertebrate Paleontology and Paleoanthropology in Beijing have cooperated to assemble the exhibition.

Fifty-one reptile and mammal fossils -- the most comprehensive collection of fossils from China ever to be presented in the Western Hemisphere -- will arrive in mid-June. The exhibition will also include 22 fossils from the Museum's collections and from other institutions.

"From the Land of Dragons" includes skeletons of extinct groups, such as dinosaurs and flying reptiles, but it is particularly rich in fossils that shed light on the origins of such modern groups as turtles, crocodiles and mammals.

The exhibition presents the results of recent research at the Museum and other institutions in interpreting the newly discovered fossils from China.

Eugene S. Gaffney, curator of Vertebrate Paleontology is curator of "From the Land of Dragons." Lowell Dingus is coordinator of the exhibition.

"Over the last few decades Chinese scientists have discovered many well preserved skeletons of previously unknown animals," Dr. Gaffney said. "Their scientific significance may be appreciated when they are placed in an evolutionary perspective. They may also be appreciated for their esthetic beauty."

The fossils in "From the Land of Dragons," are divided into two major groups. The first consists of turtles, crocodiles, birds, dinosaurs and their extinct relatives. The second is made up of mammals and their extinct relatives.

The exhibition illustrates how paleontologists use fossil characteristics to determine their relationships to one another and to the modern groups.

After the American Museum, "From the Land of Dragons" will be at the Boston Museum of Science, and then the Natural History Museum of Los Angeles County.

BIRDERS DO JAMAICA BAY, CENTRAL PARK AND MUSEUM'S HALLS

The Museum sponsors many springtime activities for those interested in taking advantage of New York's natural wonders.

The Department of Education, for example, offered a series of morning birding trips through Central Park to acquaint participants with the use of field marks, song, behavior and habitat as aids in proper identification.

This year the walks in Central Park were offered on Tuesday and Thursday mornings. The first bird walk was on May 3, and the last in the series this year was on June 2.

Stephen C. Quinn, naturalist and assistant manager of exhibition, led the Tuesday morning walks, and Harold S. Feinberg, senior scientific assistant in the Department of Invertebrates, conducted the Thursday morning walks.

In addition, an all-day excursion to Jamaica Bay was led by Mr. Quinn on May 7.

Mr. Quinn has been leading bird walks for the Museum since 1982. He took over the walks when the late Farida Wiley, honorary associate in Natural Science Education, stopped leading them at the age of 94.

Mr. Feinberg, a bird watcher for 47 years, is leading walks for the Museum for the first time this year.

One bird walk this spring had a number of corporate representatives donning their walking shoes and binoculars and heading for Central Park. However, it rained, and the corporate walk took place in the bird halls of the Museum.



Harold S. Feinberg, senior scientific assistant in the Department of Invertebrates, leads an early morning bird walk through Central Park.

MORE THAN 100 ON HAND FOR QUARTER CENTURY CLUB INDUCTION CEREMONY

Four new members were inducted into the Quarter Century Club at a reception and dinner held on April 25. More than 100 club members and their guests were on hand to reunite and reminisce.

Two members of the Vertebrate Paleontology Department were inducted this year. They are: Charlotte P. Holton, senior scientific assistant, and Barbara S. Werscheck, senior secretary. C. Lavett Smith, curator and former chairman of the Department of Ichthyology, and John P. White, carpenter in the Construction Department are also new inductees.

Alice Gray, scientific assistant emerita in the Department of Entomology, and president of The Friends of the Origami Center of America, was given special recognition for her 50 years of service to the Museum. Director Thomas D. Nicholson presented Miss Gray with a sterling silver pair of blister beetle lapel pins. He and President Robert G. Goelet welcomed the new members.



Fred Sherer, left, retired principal preparator in the Exhibition Department, and his wife, Cicely, reminisce with Harry L. Shapiro, curator emeritus in the Department of Anthropology



Alice Gray, scientific assistant emerita in the Department of Entomology, receives a pair of sterling silver blister beetle lapel pins from Director Thomas D. Nicholson



George A. Crawbuck, left, retired principal preparator in the Exhibition Department, chats with Gerald W. Thurmann, center, senior technician in the Department of Invertebrates, and Joseph M. Sedacca, manager of Graphics



C. Lavett Smith, right, is congratulated as a new member to the Quarter Century Club by his wife, Marjorie, center, and Barbara Rozen, left, wife of Jerome G. Rozen, Jr., curator in the Entomology Department



Helmut K. Wimmer, former art supervisor of the American Museum-Hayden Planetarium, and his wife, Francie, enjoy a cocktail during the reception. Mr. Wimmer retired at the end of last year after working at the Planetarium for 32 years

MUSEUM COMMUNITY IS SADDENED BY THE PASSING OF FOUR

A curator emerita, an assistant curator, a Museum instructor, and a senior technician have died. The Museum offers its deepest sympathy to their families.

Those being mourned are: Bella Weitzner, curator emerita in the Department of Anthropology; Charles E. O'Brien, retired assistant curator in the Department of Ornithology; Ruth Crosby Noble, former Museum instructor and Nicholas Amorosi, senior technician in the Department of Anthropology.



Bella Weitzner
Miss Weitzner died April 3, at her Manhattan home. She was 97.
Miss Weitzner was associated with the Museum for 80 years. She was known particularly for her work in North American ethnology and was one of the very few people at the Museum to have been promoted to the curatorial level from a secretarial position. She did so without the benefit of a formal education in anthropology, being entirely self-taught.

Miss Weitzner came to the Museum in 1908 as a secretary to the renowned ethnologist Clark Wissler, who was then chairman of the Department of Anthropology. In 1935 she was appointed assistant curator and in 1942 she became associate curator. During that period she also edited the *Anthropological Papers*. She retired in 1956, and, as curator emerita, continued her work for many years.

At the age of 88, she wrote a monograph, "Notes on the Hidatsa Indians Based on Data Recorded by the Late Gilbert L. Wilson," a significant contribution to the study of North American ethnology. It was published in the *Anthropological Papers* in 1979.

It was learned that Charles E. O'Brien died in September. He was 82.
Mr. O'Brien came to work at the Museum in 1919, and became an assistant in the Ornithology Department in 1924.

As an assistant, Mr. O'Brien was in charge of the physical care of the collections and cataloging the specimens. He became assistant curator in 1935, a position he held until his retirement in 1973.

Mr. O'Brien enjoyed a reputation for being able to quickly locate any specimen in the extensive bird collection. Several generations of staff members and visiting scientists relied on his phenomenal memory to assist them in their research.

He is survived by his wife, Claire, and three children.

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Charles E. O'Brien



Ruth Crosby Noble

She joined the Staff Wives group when it was first founded in 1926, and attended its meetings until recently.

Mrs. Noble, who shared in her husband's work and was herself an expert in the natural sciences, wrote "The Nature of the Beast" (1945), a book on animal behavior based largely on her husband's scientific publications and lecture notes.

Nicholas Amorosi died April 30. He was 59.

Mr. Amorosi worked at the Museum for 31 years, starting as a scientific illustrator in the Graphics Department. He did thousands of drawings for the *Anthropological Papers*.

He is survived by his wife, Theresa; two sons, Thomas and Joseph, and a daughter, Elizabeth.

Ruth Crosby Noble, died March 27, at the Allendale (New Jersey) Nursing Home. She was 91.

Mrs. Noble was the widow of the late G. Kingsley Noble, an eminent biologist who was curator of the Museum's Department of Herpetology and Experimental Biology at the time of his death in 1940.

After graduating from Wellesley College, Mrs. Noble became an assistant in the Museum's Department of Education, where she worked from 1919 until 1923. While she was at the Museum, she earned her masters degree from Columbia University.

She joined the Staff Wives group when it was first founded in 1926, and attended its meetings until recently.

Mrs. Noble, who shared in her husband's work and was herself an expert in the natural sciences, wrote "The Nature of the Beast" (1945), a book on animal behavior based largely on her husband's scientific publications and lecture notes.



Nicholas Amorosi

CHINESE SCHOLAR STUDIES FISH COLLECTION HERE

Zhao Tie-Qiao, associate research professor at the Shaanxi Institute of Zoology in Xian, the People's Republic of China, is a visiting scholar in the Department of Herpetology and Ichthyology through December.

He is examining the extensive collection of minnow and loach specimens from China, many of which were collected during the Central Asiatic Expeditions led by Roy Chapman Andrews from 1921 through 1930.

Many of the approximately 2,000 specimens, the largest collection of fish from China outside of that country, had not been identified or have outdated scientific names. Since his arrival in January, Mr. Zhao has updated and correctly identified many of the Museum's specimens.

He is also comparing the distribution and ecology of certain Chinese species with American minnows and desert pupfish, the latter an ecological equivalent of the loach. Minnows and loaches are the dominant fish in northwest China, where they inhabit isolated basins, habitats similar to those of the desert pupfish of the American west.

ONE OF OUR GUARDS WINS AWARD FOR COURTESY

Carol Savino, senior Museum attendant guard, is a winner of the Big Apple Courtesy Award from the New York Convention & Visitors Bureau.

The award ceremony took place in the Mezzanine Reception Hall of the McGraw Hill Building on May 10. It is given annually to employees of cultural institutions, hotels and other service industries in recognition of their outstanding courtesy to visitors. Ms. Savino was among 12 who won the award this year.

The award was presented by Charles Gillett, president of the New York Convention & Visitors Bureau, and Arthur Surin, chairman of the Bureau. Ms. Savino was accompanied to the award ceremony by Charles L. Miles, manager of Building Services.

Ms. Savino, who joined the Museum in 1967 as a Museum attendant guard, was promoted to senior Museum attendant guard in 1973.

She was nominated for the award by the Museum administration for the outstanding example of politeness, concern and assistance she has exhibited to Museum visitors over the 21 years she has worked here.



Carol Savino, senior Museum attendant guard, proudly receives her Big Apple Courtesy Award from Arthur Surin, left, chairman of the New York Convention & Visitors Bureau, and Charles Gillett, right, president of the Bureau.

HERE & THERE

ANTHROPOLOGY: Laurel Kendall, assistant curator, hosted the "Workshop on Personal Testimony in Korea: Korean Prospects and Considerations" here in February. Dr. Kendall also presented "Of Gods and Men: Performance, Possession and Flirtation in Korean Shaman Ritual," at the 40th annual meeting of the Association of Asian Studies held in San Francisco in March. **Paula Dowling**, scientific assistant, was moderator...**Anibal Rodriguez**, museum technician, represented the Museum at an exhibition of Northwest Coast art held in Madrid in April. The exhibition celebrated the 500th anniversary of the discovery of America...**Marian Kaminitz**, assistant objects conservator, presented a paper on "Rubber and Latex in Amazonian Art," in April at the Scottish Society for Conservation and Restoration in Edinburgh...**Catherine Walter** joined as museum technician.

BUILDING SERVICES: Francisco Batista, Jr., Lennox Emanuel, Alfonsas Sakauskas, Terence Sinsheimer and Daniel Umali joined as Museum attendant guards.

CONSTRUCTION: James Blakeney, Roland Pacquette and Reggie Sojourner are welcomed as Museum maintainers.

OFFICE OF THE DEPUTY DIRECTOR FOR AD-

MINISTRATION: Mary Lupo is the new administrative secretary.

DEVELOPMENT AND PUBLIC AFFAIRS: Deloris Johnson joined as development secretary...**Mitzi Bhavnani**, manager of volunteers, attended the first annual Conference of the Governor's Office of Voluntary Services in Albany in March...Ms. Bhavnani was also a panelist at a conference of the Volunteer Committees of Art Museums in Richmond in April...**Gail Forsyth** is the new part-time telephone supervisor.

EDUCATION: Stephanie Penceal joined as assistant coordinator of Community Programming.

ENTOMOLOGY: David A. Grimaldi, assistant curator, spent three weeks on St. Catherines Island in April collecting insects...**James S. Miller**, Kalbfleisch Curatorial Fellow, spent three weeks in Berlin and London in April examining museum insect collections.

EXHIBITION AND GRAPHICS: Stephen C. Quinn, assistant manager, spent April on a Discovery Tour in Africa...**Leslie Gerhauser**, **Alec Madoff** and **Joyce Cloughly** were promoted from preparators to senior preparators...**Gerhard F. Schlanzy** was promoted from principal preparator to senior principal preparator...**Lawrence Langham** joined as assistant designer...**Cindy Kelly** is a new preparator...**Kevin McAllister** and **Brian Morrissey** are welcomed as intern preparators...**Genaro Mauricio** was promoted from part-time preparator to casting assistant...**Joanne Onorato**, intern preparator, married Joseph John Tschida in February.

FINANCIAL OFFICE: Gilbert Bramwell is new as staff accountant...**Lorraine Trovato** joined as secretary.

GENERAL SERVICES: Adam Anik is the new assistant manager assigned to the Photo Studio.

HERPETOLOGY AND ICHTHYOLOGY: Michael L. Smith, assistant curator, and Klaus D. Kallman, research associate, attended the symposium "New Trends in Ichthyology" held in April in Munich...**Michael W. Klemens**, senior scientific assistant, received federal and state grants to study two endangered species, Blandings Turtle, found near New Hyde Park, and bog turtles from the Berkshire Mountains in Massachusetts...**Anne B. Meylan**, research associate, and her husband, **Peter Meylan**, research associate in Vertebrate Paleontology, became the parents of a son, **Stephen Charles**, on March 25.

INVERTEBRATES: Associate Curator Neil H. Landman coedited the book "Nautilus: The Biology and Paleobiology of a Living Fossil," published in April by Plenum Press.

LIBRARY SERVICES: Diana Shih, cataloging librarian, attended the meeting of the Society for the History of Natural History in London...**Andrea La Sala** is the new special collections librarian...**Todd Hintz** will work until September as project assistant on the completion of the United States Department of Education's Microfilm grant...**Michael Hicks** is new as part-time library assistant...**Robert Jersick** is the new part-time library research assistant.

MAINTENANCE: Chin Tse is welcomed as Museum maintainer...**Anan Ramdihal** joined as assistant Museum maintainer...**John Peters** and **Jesus Rodriguez** are new Museum attendant guards.

MAMMALOGY: Stanton Tumpkin joined as secretary.

MUSEUM SHOP: Gloria Malafronte is new as assistant manager...**Charles Azar** is the part-time supervisor...**Raul Diaz** and **Ian Kanair** joined as part-time cash analysts.

PLANETARIUM: Lorna Lewis is part-time sales assistant...**Janice Yaklin** was promoted from secretary to senior secretary.

ST. CATHERINES ISLAND RESEARCH STATION: Lori Ortiz is the new cook...**Chris Harris** is the seasonal assistant cook...**Laura Mora** joined as clerical assistant.



July / August, 1988

VOL. 45, NO. 4

GEORGE LANGDON BEGINS TERM AS MUSEUM'S NINTH PRESIDENT



George D. Langdon, Jr.



William J. Moynihan

George D. Langdon, Jr., has arrived here to begin his duties as the leader of the world's largest natural history museum. The ninth president of the Museum arrived on July 1.

Mr. Langdon has been meeting staff members and visiting departments. On Wednesday, Sept. 7, he will host a 9:10 a.m. coffee for Museum employees and volunteers in the Hall of Ocean Life. And on Tuesday, Oct. 4, Mr. Langdon will greet employees and volunteers at a 5:30 p.m. reception followed by a dinner marking the completion of the new Hall of South American Peoples.

Mr. Langdon, who had been president of Colgate University from 1978 to June 30, was the recipient of several honors as he prepared to leave the university. At Colgate's commencement in May he was awarded the honorary degree of Doctor of Humane Letters. He was also named adjunct professor of history at Colgate and president emeritus of the university.

The new president was named by the Museum's Board of Trustees last fall. His predecessor, Robert G. Goelet, now serves as chairman of the board.

Mr. Langdon, a historian who earned his bachelor's degree at Harvard College, his master's at Amherst and his Ph.D. at Yale, had been deputy provost of the university and lecturer in history at Yale before he was named president of Colgate. From 1959 to 1962 he taught history and American studies at Yale and from 1962 to 1964 taught similar subject matter at the California Institute of Technology. From 1964

to 1968 he was a member of the history department at Vassar College where he also served as special assistant to the president.

Mr. Langdon has appointed his executive assistant. He is William J. Moynihan, who also began his duties here on July 1.

Before joining the American Museum, Mr. Moynihan was dean of the college and associate professor of education at Colgate, posts he held since 1984.

Prior to that he had served in a succession of key administrative positions at Colgate: dean of students, associate dean of the faculty, director of graduate studies and chairman of the education department.

Mr. Moynihan earned his B.A. at the State University of New York at Binghamton, his M.A. at Colgate, and his Ph.D. at Syracuse University.

ANNA ROOSEVELT WINS MACARTHUR FELLOWSHIP

Anna Curtenius Roosevelt, research associate in the Department of Anthropology, was awarded a \$265,000 MacArthur Fellowship for her research in Amazonia. She learned of the award in July, after returning from lecturing in Belem, Brazil, base of her research in the lower Amazon, at the invitation of the Brazilian government. The MacArthur Fellowship recognizes exceptionally talented individuals with originality and the capacity for self-direction.



Anna C. Roosevelt

Dr. Roosevelt is an archeologist excavating in the tropical lowlands of the Orinoco and Amazon. Her research has helped to establish this area as one of significant prehistoric cultural innovation. It also demonstrates that the European conquests changed the Indian tribes who had lived in the Amazon region in ways not previously suspected.

She joined the Museum in 1986, after having served as curator of South and Middle American archeology at the Museum of the American Indian for 15 years. Dr. Roosevelt earned her B.A. from Stanford University, and her M.A. and Ph.D. degrees from Columbia University. A prolific researcher and writer, Dr. Roosevelt authored or served as editor of numerous books and monographs, including the forthcoming "Moundbuilders of Marajo," on her work in Amazonia.

TRUSTEE WILLIAM T. GOLDEN NAMED COCHAIRMAN OF CARNEGIE COMMISSION ON SCIENCE



Museum Trustee William T. Golden

William T. Golden, a Museum Trustee since 1968, and a vice president since 1971, has been named cochairman of the Carnegie Commission on Science, Technology and Government. He will share his duties with Nobel Laureate Joshua Lederberg, president of the Rockefeller University.

The 22-member nonpartisan commission includes eminent scientists, former high ranking government officials and leaders from the private sector.

The purpose of the commission is to determine how branches of the federal and state governments can incorporate scientific and technological knowledge into effective policy and administrative decision making.

The commission will organize studies, issue interim reports and make its final recommendations in three years, with a two-year followup period.

As a Museum Trustee, Mr. Golden serves on the Science Policy Committee, the Development Committee and the Management Committee.

He currently is vice chairman on the Mayor's Commission on Science and Technology, a position to which he was appointed in 1983 by Mayor Koch. He is also treasurer and director of the American Association for the Advancement of Science and president of the New York Academy of Sciences.

Mr. Golden is editor of "Science and Technology Advice to the President, Congress, and Judiciary," a collection of essays published this year by Pergamon Press.

Mr. Golden has been awarded honorary doctorates from several academic institutions, including Columbia University and the University of Pennsylvania. On May 28, he received an honorary Doctor of Science degree from Bard College.

I.D. DAY DRAWS A CROWD OF 200

Some 200 Museum visitors attended Identification Day on June 11, hopeful that their unidentified possessions were indeed true treasures.

The Charles A. Dana Education Wing was filled early with curious visitors, anxious to discover the origins, classifications and histories of things they had brought with them.

This year, objects brought in ranged from a ceremonial staff from Papua New Guinea to a tropical butterfly collection. The oldest fossil identified appeared to be a shark's tooth from the

Devonian period. It was approximately 375 million years old.

A team of seven Museum scientists participated in I.D. Day. They were: Sidney S. Horenstein, senior scientific assistant in Invertebrates; Jean M. Augustin, senior technician in Mammalogy; Paul F. Beelitz, associate collections registrar in Anthropology; David E. Brody, senior technician in Entomology; Anibal Rodriguez, technician in Anthropology, and Walter E. Sage, III, senior scientific assistant in Invertebrates. The program was organized by Nat Johnson, special programs coordinator in the Education Department.

FRANK A. BEACH, PIONEER IN ANIMAL BEHAVIOR, IS DEAD AT 77

Frank A. Beach, one of the founders and leaders of the Museum's Department of Animal Behavior, died on June 15, in a hospital in Berkeley, California, it was learned.

In 1938, Gladwyn Kingsley Noble, chairman of the Department of Experimental Biology at the Museum, invited Dr. Beach, trained as a comparative psychologist, to join the department. Dr. Beach was appointed to the position of assistant curator in 1938 and, after Dr. Noble died in 1940, became acting chairman.

During that time Dr. Beach was involved in changing the emphasis of the department from that of experimental biology to



Frank A. Beach

animal behavior. In 1942, Dr. Beach became chairman and curator of the newly named Department of Animal Behavior, which was disbanded in a consolidation move in 1980.

Dr. Beach remained at the Museum for eight years where he gained his reputation as a highly acclaimed researcher in the field of behavioral endocrinology, specifically in the area of sexual behavior.

His work eventually became the basis for his book, "Hormones and Behavior," published in 1948. He was the author of more than 150 scientific publications.

Dr. Beach trained many graduate students and was professor of psychology at the College of the City of New York, visiting professor of biology and psychobiology at New York University, professor of psychology at Yale University and emeritus professor of psychology at the University of California at Berkeley.

He is survived by his wife, Noel; his daughter, Susan; his son, Frank; a sister, Barbara, and two grandchildren.

DR. NICHOLSON AWARDED HONORARY DEGREE

Director Thomas D. Nicholson has been awarded an honorary doctor of science degree from Lawrence University in Appleton, Wisconsin. The degree was conferred at the commencement exercises on June 12.

Throughout his career Dr. Nicholson has received numerous awards for distinguished service to the community. Among them are: The New York United Way Campaign Award in 1985, the Distinguished Service Award of the Association of Systematics Collections in 1986, the Professional Achievement Award of the Institute of Navigation in 1977, the Outstanding Professional Achievement Award from the U.S. Merchant Marine Academy in 1972 and the St. John's University Medal of Honor in 1979. The latter is the University's most prestigious award to a St. John's alumnus.

In 1970, Dr. Nicholson received an Emmy award from the National Academy of Television Arts and Sciences for his contribution to the NBC-TV program, "Solar Eclipse: A Darkness at Noon."

Dr. Nicholson has written several popular books on astronomy and is the author of a monthly column on astronomy in *Natural History* magazine. He is the editor of *Curator*, the Museum's journal for museum professionals and is a contributing editor to the *Christian Science Monitor*.



Thomas D. Nicholson

MINERAL SCIENCES GETS NEW CHAIRMAN; LAMONT CURATOR AND CURATOR EMERITUS OF BIRDS ARE NAMED

George E. Harlow has succeeded Martin Prinz as chairman of the Department of Mineral Sciences, effective July 1. Dr. Prinz served as chairman for 12 years.

At the same time, Lester L. Short was named the new Lamont Curator of Birds and Wesley E. Lanyon the Lamont Curator Emeritus, a post he shares with Dean Amadon. Dr. Lanyon retired July 1. (See *Grapevine*, March/April, 1988).



George E. Harlow



Lester L. Short

Dr. Harlow joined the Museum in 1976 as assistant curator and became curator in 1987. His principal research interest is the study of minerals as recorders of geological and geochemical processes. He also conducts research on crystal chemistry and the information it provides about rock formation.

In the last few years Dr. Harlow has focused on the formation of jadeite-rich rocks from Guatemala and the archeological implications.

Dr. Short joined the Museum in 1966 as associate curator and became curator in 1969. He served as chairman from 1980 to 1987.

He conducts research on the behavior, ecology and systematics of several bird groups. He has recently studied the behavior and ecology of East African honeyguides.

In 1986, he and a team of researchers sighted the near-extinct Ivory-billed Woodpecker in Cuba. Since that time he has met with Cuban biologists and officials to discuss preservation of the woodpecker and conservation policies concerning habitat in that country.

Dr. Lanyon, former chairman of the Department of Ornithology, came to the Museum 31 years ago. He has studied the ecology, behavior and systematics of many groups of birds, especially the tyrant flycatchers. He will continue to do population studies of several species of birds.

ROCKS 'GROW' ON 77th STREET LAWN

Two pieces of a jade boulder from New Zealand that had been housed in the Mineral Sciences storage area now adorn the 77th Street lawn.



One of the massive pieces of the nephrite jade boulder on the 77th Street lawn.

The nephrite jade boulder, found in 1902, was given to the Museum by J.P. Morgan, a prominent trustee, in 1907. George F. Kunz, a distinguished gemologist at the Museum, wrote in 1911 in the *American Museum Journal*, that the boulder was the "largest mass of jade of which we have record."

Before it was split, about 20 years ago, the boulder weighed three tons, and was seven feet long and four feet wide.

Eight men from the Department of Building Services, using a forklift and a flatbed truck, were needed to move the

two pieces of the boulder from storage to the lawn. Plywood was placed under the forklift and flatbed truck so that they would not sink into the ground under the weight of the massive pieces.

In New Zealand, jade is considered a lucky charm. The nephritic variety of jade is classified as true jade, in contrast to jadeite. Although jade is generally green, the outer surface of boulders like the two pieces on the lawn sometimes have a brown or yellow-brown color.

HERE AND THERE

ANTHROPOLOGY: **Craig Morris**, chairman and curator, has returned from Peru where he assisted in the evaluation of plans for the New National Museum of Peru...**Marian Kaminitz**, assistant objects conservator, and **Laila Williamson**, who has been promoted to scientific assistant, recently returned from a Museum expedition to northern Brazil where they lived among Waiwai and Hixkaryana Indians and collected about 100 artifacts which will be added to the South American collection...**Bindy Kaye**, assistant registrar for loans, went to Houston in May to assist the Houston Museum of Natural Science with the Carthage exhibition...**Judith Levinson**, conservator, attended the American Institute for Conservation conference in New Orleans in June. She also presented the paper "Conservation and Exhibition: Conflict and Collaboration" at the American Association of Museums conference in Pittsburgh**David Hurst Thomas**, curator, returned from fieldwork on St. Catherine's Island where he is studying the 500-year-old mission, Santa Catalina de Guale...**Paul F. Beelitz**, associate collections registrar, **Jill Hellman**, exhibition assistant, **Peter Kvietok**, exhibition and research assistant and **Bill Weinstein**, assistant registrar for data management, attended the American Association of Museums meeting in Pittsburgh...**Laura Lundenberg** was promoted from secretary to material culture analyst.

BUILDING SERVICES: New as Museum attendant guards are: **Isaac Akyempong**, **Jason Allen**, **Daphne Chinfloo**, **Slawomir Chorzewski**, **Domenick Eadicicco**, **Carlton England**, **Manuel Evangelista**, **Gary Heyward**, **Pamella Jarrett**, **Miguel Javier**, **Agnes Owusu-Manu**, **Anthony Pacheko**, **Reginald Qadar**, **Sandra Qureshi** and **Dilma Williams**...**Carol Savino**, senior Museum attendant guard, who recently won a Big Apple Courtesy Award from the New York Convention & Visitors Bureau, retired June 24.

CONSTRUCTION: **Mark Coney**, **Jimmy D'Amato**, **John Heidenreich**, **Victor Rivera** and **Clyde Thirbenny** are welcomed as Museum maintainers.

DEVELOPMENT AND PUBLIC AFFAIRS: **Judith Moreland** is the new assistant volunteer manager responsible for coordinating the Museum's Highlights Tours program...**Mitzi Bhavnani**, manager of volunteers, chaired a session at the American Association of Museums meeting in Pittsburgh....**Antoinette Durieux** is welcomed as part-time information desk supervisor...**Laura Coleman** was promoted from senior secretary to development assistant...**Erin McGrath** was promoted from Public Affairs assistant to Public Affairs associate...**Felicity Coddington** is the new secretary in Guest Services.

EDUCATION: **Malcolm J. Arth**, chairman, taught museum management at the Getty Trust Museum Management Institute at the University of California at Berkeley, in July...**Kenneth A. Chambers**, assistant chairman, went on a canoe trip in June through the Thelon Game Sanctuary in Canada's Northwest Territories. He led his 14th Alaskan Wildlife Discovery Tour in July...**Nathaniel Johnson**, coordinator of special programs, and **Chris Strome**, assistant manager in the Office of Development, attended a workshop in Washington, D.C., on tropical rainforests.

EXHIBITION: **James Thoubboron** joined as preparator...**Mark Floyd** is new as intern preparator.

FINANCIAL OFFICE: **Barbara Morrison**, administrative secretary, gave birth to a daughter, **Rachel Elizabeth**.

GENERAL SERVICES: **Catherine Bielzia**, senior telephone operator, retired at the end of July...**Kerry Perkins** is a new photographer...**Kenneth T. Hamilton**, assistant manager, married **Nancy Clare Grogan** on June 11.

HERPETOLOGY AND ICHTHYOLOGY: **Charles J. Cole**,

curator, participated in a discussion on the state of living culture and frozen tissue collections at the annual meeting of the Association of Systematics Collections at the Field Museum in Chicago...**Carol Townsend**, associate, and **Dr. Cole** will do field work on unisexual lizards at the Southwestern Research Station this summer...**Peter Reinthal**, Kalbfleisch Fellow, and **Melanie Stiassny**, assistant curator, went to Madagascar in June for six weeks to collect fish specimens for study...**C. Lavett Smith**, curator, spent three weeks as a visiting scientist at the Smithsonian's Caribbean Coral Reef Ecosystems Program in Carrie Bow Cay, Belize...**Richard G. Zweifel**, curator, and **Michael W. Klemens**, senior scientific assistant, joined **Michael L. Smith**, Kalbfleisch assistant curator, **James W. Atz**, curator emeritus, and **Klaus D. Kallman**, research associate, at the estate of John T. Nichols (founder of the American Society of Ichthyologists and Herpetologists) to mark and measure box turtles for a population study...**Margaret Arnold** is a new scientific assistant...**Diane Zilker** is a Museum technician...**Jacqueline Cox-Anderson** is new as secretary.

LIBRARY SERVICES: **Valerie Wheat**, assistant librarian for reference services, appeared on a PBS special, "Fighting Slow Fires" the problems of preserving materials on acidic paper...**Nina J. Root**, chairwoman, and **Barbara Rhodes**, conservation manager, presented papers at a New York Metropolitan Reference and Research Library Agency seminar on disaster preparedness...Ms. Rhodes attended the annual meeting of the American Institute for Conservation in New Orleans...**Carrie Mendez** is part-time library assistant.

MAINTENANCE: **Wayne Joseph** was promoted from Museum attendant guard to senior Museum attendant guard...**Paul Wells** was promoted from assistant Museum maintainer to Museum maintainer...**Michael Rodriguez** joined as Museum maintainer...**Jose Morales** and **Jean Schwartz** are new as assistant Museum maintainers...**James Daniel**, **Marc Richardson** and **Luis Rosario** are Museum guards.

MINERAL SCIENCES: **Michael K. Weisberg**, scientific assistant, married **Carolyn Waage** on May 28.

MUSEUM SHOP: **Kathleen Bleuler**, **Karen Brissett** and **Ying Quing Graham**, joined as part-time sales assistants...**Raul Diaz** is new as part-time cash analyst...**Michelle Kupfer** is a new part-time supervisor.

NATURAL HISTORY MAGAZINE: **Sally Lindsay**, senior editor, retired in July after 15 years...**Doreen Mangels** is a new manuscript processor.

OFFICE OF THE PRESIDENT: **Kelly Swift** is secretary to **William J. Moynihan**, executive assistant to the President.

ORNITHOLOGY: **François Vuilleumier**, chairman and curator, attended the Third Symposium/Workshop on "Comparative Studies on Tropical Mountain Ecosystems," held in the Canary Islands and in Madeira, Portugal...**Mary LeCroy**, senior scientific assistant, attended a meeting of the Society for Preservation of Natural History Collections in Pittsburgh...**Allison Anders**, scientific assistant, received a Ph.D. in Vertebrate Paleontology from Columbia University...**Walter Bock** and **Stuart Keith**, research associates, and **Angelo Capparella**, Chapman Fellow, attended the Wilson Ornithological Society's Centennial meeting in Philadelphia.

PLANETARIUM: **Sandra Kitt**, librarian, went to Moscow in May to study library practices in the Soviet Union.

SOUTHWESTERN RESEARCH STATION: **Lori Ortiz** is the new cook...**Chris Harris** is the seasonal assistant cook...**Laura Mora** joined as clerical assistant.

VERTEBRATE PALEONTOLOGY: **Joseph Czerwinski** is a curatorial assistant...**Edward Heck** joined as senior artist.



September / October, 1988

VOL. 45, NO.5

VOLUNTEERS PARTICIPATE IN MUSEUM ARCHIVING PROJECTS

Volunteers, who have been at work on departmental archives for the past several years have completed projects in the Departments of Vertebrate Paleontology, Entomology, Mammalogy and Library Services.

Each project required going through folders and placing papers in chronological order. Old, damaged files were



William H. Glover and Ilona Wells, Museum volunteers, review archives in the Mammalogy Department.



Volunteers Ruth Sternfeld (standing) and Theresa Ornstein study the Planetarium archives.

replaced with acid free folders. Staples and paper clips were removed (metals rust and tear paper) and fragile pieces were photocopied. Folders were indexed and cross referenced. The process is known as "rehousing."

Volunteers Ruth Sternfeld and William H. Glover have headed up two archiving projects. Mrs. Sternfeld led a group of volunteers organizing the archives of the American Museum-Hayden Planetarium and Mr. Glover did the same in the Mammalogy Department. The two projects are expected to be completed by the end of this year.

Mrs. Sternfeld, who was the archivist at Rockefeller University before her retirement, is now sharing her expertise with the Museum. She developed the system for archiving the files in Vertebrate Paleontology before setting up the Planetarium's archival project.

For the past two years Mrs. Sternfeld has been working with a team of six volunteers, including Miriam Aaronson, Philip M. Kaplan, Dorothy Lidov, Helen Orloff, Theresa Ornstein and Augusta E. Wilkins. They have sorted through correspondence, Sky Show scripts, programs, courses, exhibits, lectures, as well as information on comets and eclipses. The completed files are stored on the second floor of the Richard S. Perkin Library.

One of the files Mrs. Sternfeld uncovered dated back to the 1950s, at the dawn of the U.S. space exploration program, held applications from the public for interplanetary travel. This was the result of an effort to determine the popularity of future space travel. More than 1,000 people indicated their desire to travel in space.

Since 1983, Mr. Glover, a retired theater critic for the Associated Press, has been sorting through the Mammalogy Department's correspondence, administrative and Archbold Expedition files. Mr. Glover also worked on Margaret Mead's papers in Anthropology and on Vertebrate Paleontology's files.

Over the years, Mr. Glover has had help from 36 people, including students, actors, dentists and retired persons from other professions. Currently, there are four volunteers coming in on a regular basis. They are: Julie Levine, Mimi Obstler, Ilona Wells and Gertrud Wolfner.

Mr. Glover says he has found great satisfaction in organizing the files, some of which date back to the 1870s. One of his favorite discoveries was a poem, written by a young

(continued on next page)

800 ATTEND PREVIEW PARTY



The Chavin exhibit in the Andean section of the new Hall of South American Peoples is viewed by, left to right, John Jordan, Domenick Pennisi, and Andrew Witek, all of the Maintenance Department's heating and air conditioning group. The hall was previewed by employees and volunteers during a reception on Oct. 4, marking its completion. President George D. Langdon Jr., greeted guests during the buffet dinner which was held in the Hall of Ocean Life. During the festivities some of the Museum's 800 guests kicked up their heels to the strains of Latin music. Mr. Langdon also hosted a morning coffee hour for employees and volunteers on Sept. 7.

boy, extolling the Museum. The boy was Stephen Jay Gould, now a renowned biologist, geologist and science historian, and a regular columnist for *Natural History* magazine.

A corps of volunteers finished rehousing 60 file cabinets in the Department of Library Services. The team laid the groundwork for getting the microfilming grant underway. The files consisted of correspondence and newsclippings covering the entire history of the Museum. The team of Volunteers who worked on the project were: Eleanor N. Schwartz, Barbara Schwimmer, Howard Back, Ingeborg Pedersen, Maxine Greenfield and Alison V. Smith. The project began in February and was completed in late August.

An archiving project in the Anthropology Department is also underway. Volunteers John Asch, Estelle Bass and Charlotte Fine are working on rehousing archival material there. Mrs. Bass and Mrs. Fine are transferring all accession documentation for the past five years to new acid free folders.

Mr. Asch has recently sorted the correspondence files dating from 1895 to 1908 and arranged the papers of Nels C. Nelson, a curator of North American archeology at the Museum from 1912 through 1946. He is currently working on the papers of Gordon F. Ekholm, curator emeritus and authority on the pre-Columbian archeology of Mexico and Central America. Both projects consisted of sorting through field notes, correspondence, maps and photos.

Volunteers Ruth Strodt, Mary V. O'Gorman and Richard Helfman are archiving in the Department of Herpetology. They have been sorting through the correspondence archives in that department for two years.

Archiving projects will continue in other departments.

TWO SCIENTISTS JOIN MUSEUM STAFF

Two researchers have been appointed to the scientific staff. Ross D. E. MacPhee joined the Department of Mammalogy as a curator, Ward C. Wheeler will join the Department of Invertebrates in about a year as assistant curator.

Mr. Wheeler will come to the Museum from Harvard University, where he has been a Ph.D. candidate in the Department of Organismic and Evolutionary Biology. He has worked and published in the area of insect phylogenetic classification.

Mr. Wheeler plans to apply the molecular technique of DNA sequencing analysis to solve problems in arthropod phylogenetics, and eventually apply these techniques to the relationships of arthropods with other groups of invertebrates.

Mr. Wheeler will complete a one-year appointment at UCLA as a Sloan Foundation Postdoctoral Fellow after the completion of his doctorate in December, 1988. He will then commence his work at the Museum.

Dr. MacPhee has been Associate Professor of Anatomy at Duke University Medical Center since 1985. He joined the faculty there in 1979. Dr. MacPhee earned his Ph.D. degree at the University of Alberta in Edmonton.

His research focuses on primate evolution, mammalian systematics and paleontology, comparative and human anatomy, island biogeography and molecular systematics.

Dr. MacPhee's recent work concentrated on paleontology and vertebrate extinctions on islands, such as Jamaica, Puerto Rico and Madagascar. Dr. MacPhee is also conducting studies in evolutionary morphology and locomotor behavior.

NEW JEWISH EXHIBIT TO BE INSTALLED IN HALL OF ASIAN PEOPLES

A "family tree" tracing the interaction between Jews and the cultures of 13 Asian countries or regions is part of a new exhibit being prepared for installation in the Hall of Asian Peoples.

The "tree" traces the immigration patterns and development of Asian Jews from the Babylonian exile to the end of



Anna Cohn, coordinator of the Jewish exhibit in the Hall of Asian Peoples.

the 19th century. The countries represented include China, India, Turkey, Syria, Lebanon, Yemen, Afghanistan and Israel.

The new exhibit will also present 13 video segments illustrating how Jews adapted to the Asian countries. Jewish ceremonial objects, representing each country, will be highlighted.

The exhibit, which covers 19 centuries, will be installed in early 1989. The current exhibit in the Hall dealing with Judaism will be removed.

Traditionally, Jews have adapted to the customs of the countries in which they have lived, while continuing to practice their own beliefs. The tree, which is about 9 feet high and 16 feet wide, symbolizes the cultural variety of Asian Jews within a unified world view.

The tree is composed of statements, narrated in the first person, based on historical events in different regions of Asia.

Anna Cohn, recently appointed Director of the Smithsonian Institution Traveling Exhibition Service (SITES), is coordinator of the project. Ralph Appelbaum Associates is the designer. The project is being funded by the Kaufmann Foundation.

Ms. Cohn is an art historian known for her expertise in developing exhibitions in the U.S. and abroad. She has served as the director of museum development for the U.S. Holocaust Museum, and director of the B'nai B'rith Museum, both in Washington, D.C.

TIBETAN BUDDHIST SAND MANDALA IS SWEEPED AWAY



The venerable Tenzin Tsultrim carries urn containing sand from the mandala. The sand was poured into the Hudson River.

More than 250 visitors to the Museum's Frederick H. Leonhardt People Center were on hand to see the dismantling ceremony of the much acclaimed Tibetan sand mandala on Aug. 22.

During its six weeks at the Museum, the mandala demonstration attracted some 50,000 visitors. The day before its dismantling, the completed mandala was viewed by 2,200 Museum visitors. The mandala demonstration was sponsored by the Museum's Department of Education.

Work on the seven-foot-square *Kalachakra* or "Wheel of Time" sand mandala began on July 9. Four Tibetan Buddhist monks from the Namgyal Monastery created the mandala with brightly colored sands. The intricate design has

been passed down from teacher to student for more than 2,500 years.

The dismantling ceremony began with the four monks praying to Kalachakra, the central deity. The 722 deities, symbolically represented in the design, were then gracefully swept from the surface of the mandala and placed in a ceremonial urn. Two diagonal cuts were made through the center with a ritual instrument, known as a *vajra* -- from east to west and north to south. The remaining sand was placed in the urn and the monks led a procession of 150 people to the 79th Street Boat Basin, where the sand was ceremonially poured into the Hudson according to traditional Buddhist ritual.

WILLIAM H. PHELPS, JR., ORNITHOLOGIST AND RESEARCH ASSOCIATE, IS DEAD AT 86



William H. Phelps, Jr.

William H. Phelps, Jr., research associate in the Museum's Department of Ornithology and former Trustee, died on Aug. 13, at his home in Caracas, Venezuela. He was 86.

Mr. Phelps was appointed a research associate here in 1952. It was a fruitful collaboration that continued until his death. In 1956, he was elected to the Museum's Board of Trustees and remained in that capacity until 1959.

In addition to being an ornithologist, Mr. Phelps was also an explorer, and, with his father, led more than two dozen expeditions into many remote and unknown sections of Venezuela.

The birds collected by Mr. Phelps on these expeditions reflect the variability of species throughout Venezuela. The type specimens of these species have been deposited in the American Museum's collections.

Mr. Phelps was a member of the New York Explorer's Club, from which he received the Explorer's Medal; the American Geographical Society, and was an elected member of the Academy of Physical Sciences, Mathematics and Natural Sciences.

He is survived by his wife, Kathleen, and two stepsons, Peter and Toby Bottomo.

ICHTHYOLOGISTS DISCOVER NEW SPECIES OF FISH IN MADAGASCAR

Assistant Curator Melanie Stiassny and Visiting Scientist Peter Reinthal of the Department of Herpetology and Ichthyology brought back live specimens of a new species of Madagascan fish. The new species, a silverside, belongs



A specimen of new species of silverside. The fish is approximately four-inches long. Photo Credit: Peter Reinthal

to the primitive genus *Bedotia*, of which little is known.

They also brought back live specimens of several primitive species of cichlid fish collected during a six-week expedition in June and July. The first intensive survey of ichthyofauna in Madagascar was carried out during the expedition.

The newly discovered species was found within one of the last remaining areas of rainforest left in Madagascar. The site is in the proposed Ranomafana National Park. The find provides added incentive for the establishment of a park there.

The American Museum now has the biggest collection of fish endemic to Madagascar anywhere in the world. The collection contributes significantly to knowledge in such areas as biogeography, morphology, systematics, physiology and behavior.

HERE AND THERE

ANTHROPOLOGY: **Laurel Kendall**, assistant curator, presented the paper, "A Noisy and Bothersome New Custom: Delivering a Gift Box to a Korean Bride," at the fifth International Conference on Korean Studies held in Seoul in June. The conference was sponsored by the Academy of Korean Studies...She also presented preliminary research findings in her paper "Of Daughters and Dowry" at the 12th International Congress of Anthropology and the Ethnological Sciences in Zagreb, Yugoslavia, in July...**John Killeen** joined as material culture analyst...**Jennifer Hill** is a new secretary...**Sasha Stollman** is welcomed as assistant conservator.

BUILDING SERVICES: **Rubin Wroten** is a new Museum attendant guard.

DEVELOPMENT AND PUBLIC AFFAIRS: **Patricia Madonia** was promoted from senior clerk in the Museum Shop to Development assistant...**Amy Lubow**, senior secretary, married **Daniel Lane Downs** on Sept. 5, she will use her husband's surname...**Amado David** joined Development as secretary...**Elizabeth Chapman** joined as Public Affairs assistant...**Janice Box** is the new secretary in the Volunteer office.

EDUCATION: **Lisa Breslof** was promoted from Museum instructor to senior instructor.

ENTOMOLOGY: **Allma Edwards** is a new secretary.

GENERAL ACCOUNTING: **Mary Pulliam** was promoted from clerk to senior clerk...**Letitia Milosav** joined as senior clerk.

GRAPHICS: **Lisa Lydestrom** was promoted from senior artist to principal artist.

HERPETOLOGY AND ICHTHYOLOGY: **Gareth J. Nelson**, chairman and curator, spent July and part of August in Alabama collecting fish specimens...**C. Lavett Smith**, curator, did a census of larval fish on the Caicos Islands from July to August...Curators **Richard G. Zweifel** and **Charles J. Cole**, Research Associates **Colin Patterson** and **Carl Ferraris**, and **Michael L. Smith**, Kalbfleisch assistant curator, attended the annual meeting of the American Society of Ichthyologists and Herpetologists held in Ann Arbor, Mich., in July...**Michael L. Smith** presented a paper on the work of J.T. Nichols, founder of the American Society of Ichthyologists and Herpetologists...Mr. Patterson addressed a plenary session as the Honorary Foreign Member of the society...Enroute to the wedding of their son, **Matt, Dr. and Mrs. Richard Zweifel** visited **Charles Bogert**, curator emeritus, in Santa Fe...**Carol Townsend**, associate, also visited the Bogerts.

INTERDEPARTMENTAL FACILITIES: **Peling Fong** was promoted from curatorial assistant in the Department of Invertebrates to scientific assistant.

INVERTEBRATES: **William K. Emerson**, curator, attended the annual meeting of the American Malacological Union in Charleston, SC, in July, where he was elected president of the Council of Systematic Malacologists. **Walter E. Sage, III**, senior scientific assistant, was also in attendance...**Neil H. Landman**, assistant curator, and **Susan Klofak**, museum technician, collected fossil cephalopods from South Dakota and Wyoming in July. In addition to thousands of ammonites, they discovered an 85 million-year-old fossil squid.

LIBRARY SERVICES: **Diana Shih**, senior cataloging librarian, **Carol Tucher**, senior reference librarian, and **Priscilla Watson**, senior acquisitions librarian, attended the annual meeting of the American Library Association in New Orleans in July.

MAINTENANCE: **Elma Cassie** is a new Museum attendant guard...**Dennis Norton** joined as assistant museum maintainer.

MINERAL SCIENCES: **Rong Han** and **Joan Perlin** joined as part-time curatorial assistants.

MUSEUM SHOP: **John Cozzoli**, **Lorene Kramer** and **Fatima Rodriguez** are welcomed as part-time sales assistants...**Derek Lively** is a new clerk...**Anorah Allie** is a part-time cash analyst...**Elizabeth Stewart** is a full-time sales assistant.

NATURAL HISTORY: **Garrett Yankou** joined as a production assistant...**Kay Zakariasen**, formerly a consultant for *Natural History* magazine, has joined the staff as picture editor.

OFFICE OF THE PRESIDENT: **Jeanne D'Onofrio** joined as secretary to the president.

PLANETARIUM: **Peter Fenev** is the new assistant manager in the Planetarium Shop...**Joan Newbrough** was promoted from part-time typist to clerk.

VERTEBRATE PALEONTOLOGY: **Alejandra Lora**, senior secretary, gave birth to a baby girl, **Stephanie**, on May 23...**Joan Davis** is a new secretary.

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Grapevine



American
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Vol. 45, No. 6

NOVEMBER/DECEMBER 1988

ORIGAMI TREE LIGHTING MARKS BEGINNING OF HOLIDAY SEASON AT MUSEUM

The 16th annual Origami Holiday Tree, a New York tradition, was lit on Nov. 21, by President George D. Langdon, Jr., in a ceremony attended by Museum employees, volunteers and visitors. Trustee Arthur Ross introduced Mr. Langdon. The tree is presented each year through the funding of the Arthur Ross Foundation.

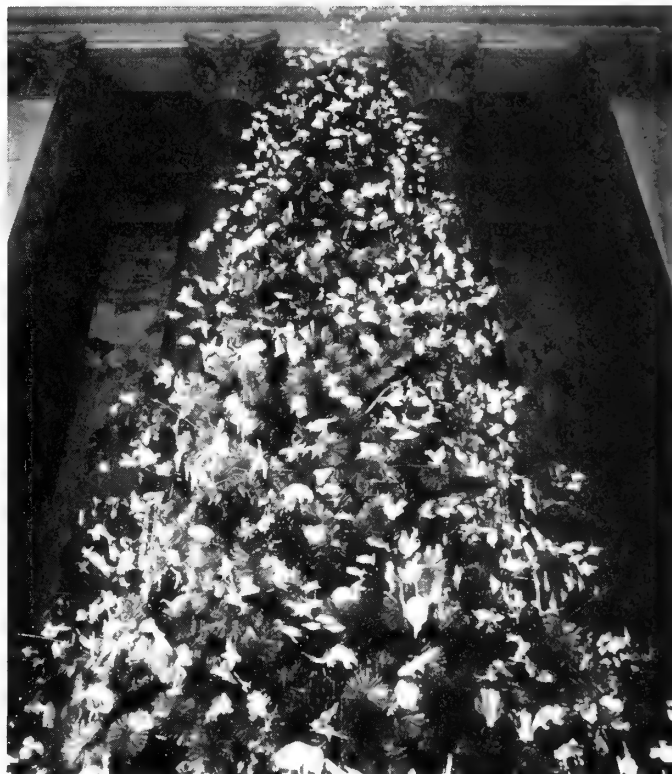
More than 5,000 origami models make up the Origami Holiday Tree display. The 25-foot artificial white pine is decorated with 1,500 origami ornaments; a 35-foot mobile of more than 750 origami stars and other celestial bodies hangs above the tree.

Michael Shall, the Museum's origami specialist, is the founder of The Friends, a nonprofit independent educational arts organization headquartered at the Museum. Alice Gray, scientific assistant emerita in the Department of Entomology, is the originator of the Holiday Tree, and is President of The Friends.

"The tree is a truly international effort," said Mr. Shall. "This year's new designs include mice from England, Swallow Tail butterflies from Japan, elephants from France and an American alligator." Among the other new models are more than a dozen dinosaurs.

During the year more than 15,000 hours have gone into the preparation of the tree, and people from all over the country have devoted time, energy and creative talent to the project.

The tree will be on view through Jan. 8.



Origami Holiday Tree.

ZOOLOGISTS COLLECT FOUR-FOOT-LONG FOSSIL SQUID AND NEW SPECIES OF AMMONITES



Partially excavated squid.

A four-foot-long fossil squid, *Tusoteuthis longus*, which lived in shallow inland seas of North America during the Cretaceous Period, has been brought back from Wyoming by Neil H. Landman, associate curator, and Susan Klofak, technician, both of the Department of Invertebrates.

The squid was discovered on an expedition in July to sites in South Dakota and Wyoming.

The species of squid has been described previously, but it is rare to find such a large specimen. The animal was probably a predator feeding on small fish and floating crustaceans. It lived during the time when large fish and aquatic reptiles were dominant, and was very likely preyed upon by these animals.

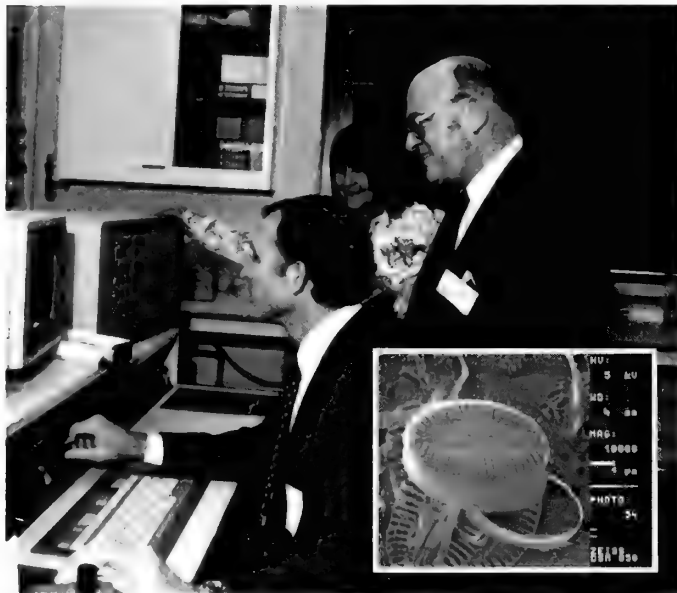
Dr. Landman and Ms. Klofak also brought back thousands of ammonites, including some newly discovered species. Ammonites are fossil cephalopods closely related to the living

(Continued on last page)

THE MUSEUM'S NEW SEM: MAGNIFICATION IS THE NAME OF THE GAME

The Museum recently acquired a new Zeiss Digital Scanning Electron Microscope - the DSM 950. The new microscope far surpasses the scanning electron microscope that preceded it. A specimen can now be magnified up to 100,000 times, double the magnification of the previous model.

In addition, its digital image processing produces vastly improved pictures, with greater detail and double to triple the resolution. With the new machine one can also examine the



William Miller, product manager at Zeiss, seated, demonstrates new SEM to John Lee, research associate in Department of Invertebrates, and Joan Whelan, interdepartmental facilities coordinator.

INSET Micrograph of diatoms, an example of resolution available with new SEM.

resulting picture on a video printer and take measurements while the specimen is on view.

A programmable critical point dryer was also purchased. It has an expanded capability for preparing preserved materials. Water is removed from soft tissues resulting in a dry specimen with minimal surface wrinkles.

An Energy Dispersive X-ray Spectrometer will be added to the new microscope before the end of the year. It will enhance the ability to analyze specimens for their elemental composition.

Among those using the microscope are members of the Department of Invertebrates including research associate John J. Lee, who will study diatoms and associate curator Neil H. Landman, who will study ammonites and *Nautilus*.

Martin Prinz, curator, Michael Weisberg, scientific assistant, and Craig Johnson, research fellow, all of the Department of Mineral Sciences, have used the new SEM to photograph meteorites at high magnifications. This allows them to make observations that reveal the processes operating in the solar nebula at the time the planets formed 4.5 billion years ago.

One of the advantages of the new microscope is that specimens can be viewed at high resolution without former preparation procedures. This enables David A. Grimaldi, assistant curator in the Department of Entomology, to get excellent images of rare fossil insects without using preparations that permanently obscure some features of the specimens.

A National Science Foundation grant of \$151,000 supported the purchase of the microscope and accessories. Drs. Lee and Landman of the Department of Invertebrates coauthored the grant.

The new microscope is housed in the scanning electron microscope laboratory on the fifth floor and is one of the Interdepartmental Facilities available to all Museum staff.

EXHIBIT MARKS 50TH YEAR OF BRONX HIGH SCHOOL OF SCIENCE

The Bronx High School of Science opened its doors 50 years ago, and the Museum is marking the occasion with the exhibit, "Happy 50th Anniversary to the Bronx High School of Science."

It is on view in the Theodore Roosevelt Memorial Hall, and is an Arthur Ross Exhibit of the Month.

Nationally respected for its standard of excellence, the Bronx High School of Science was founded in 1938 as a New York City public school for gifted students with special interests in science and mathematics.

Bronx Science has the distinction of having graduated four Nobel laureates in science, more than any other high school in the world or most universities.

The exhibit on display in the Theodore Roosevelt Memorial Hall includes student projects, and a video tape of the school narrated by Bronx Science Principal Milton Kopelman.

Some of the projects on view are award winners, including a Newtonian reflector telescope designed by Jon Sylvie, and a solar tracker designed by Chris Moses, Ira Wurem and Jeff Haspel.

Also in the exhibit are a modified banjo designed and built by Ali Hammond, and a traditional dulcimer designed and built by Irving Kaberski. These musical instruments were made using high-frequency wood welding and other advanced techniques, an example of how Bronx Science integrates the disciplines of art and science.



Bronx High School of Science exhibit in Theodore Roosevelt Memorial Hall.

PHOTO STUDIO REPRODUCES HISTORIC PRINTS FOR BLOOMINGDALE'S



Detail of one of the photo collection's images of China commissioned by Bloomingdale's.

When Bloomingdale's wanted a unique addition to the displays for its "Year of the Dragon" promotion, they came to the Photographic Collection of the Department of Library Services.

With more than a half a million images, the collection provides a rare look at turn of the century China and a beautiful record of life at the end of the Manchu dynasty.

After examining hundreds of images, Bloomingdale's

selected 15 negatives, including pictures of Me and Meo Wong Kai Keh, a wealthy Chinese couple, and Ah Moy, a six-year-old Chinese girl photographed at the St. Louis Exposition in 1904.

The department store commissioned the Museum to produce prints as a commercial project.

Bloomingdale's framed and hung the prints in the model rooms of its furniture department. Each room was decorated by a different designer who took their inspiration from either ancient or modern Chinese styles.

Bloomingdale's also ordered prints of Native Americans to display in the Ralph Lauren model rooms. Among the photos shown there were pictures of David Yellow Elk, a Sioux in full dress photographed in 1918, and Thunder Cloud, a Cheyenne.

Making the 16-by-20 inch exhibition quality prints was a challenge complicated by the necessity of working, in many cases, from original glass negatives.

All three members of the Photography Studio, Adam Anik, assistant manager, Jackie Beckett, dark room technician, and Kerry Perkins, photographer, devoted many hours to the project.

The prints were sepia toned to give them a rich brown cast. To insure that the photos had the precise tones to match the color palette of Bloomingdale's displays, a designer from the store was in the Photography Studio to observe the final steps of the toning process. The resulting prints are striking for their quality as well as their content.

MUSEUM SCIENTISTS ATTEND WORLD WILDLIFE FUND CONFERENCE

Leading experts in the fields of ecology, climatology, atmospheric sciences, biological diversity and paleontology lectured at a World Wildlife Fund conference on the consequences of the greenhouse effect on biological diversity. The three-day conference was held in Washington, D.C. in early October.

Those attending the conference from the Museum included: Norman D. Newell, curator emeritus in the Department of Invertebrates; Ismael Calderon, coordinator of Community Programming in the Department of Education; Michael L. Smith, Kalbfleisch assistant curator in the Department of Herpetology and Ichthyology, and Museum Trustees Nancy Fessenden and Anne Sidamon-Eristoff, secretary of the Board of Directors of the World Wildlife Fund.

Museum scientists and the lecturers at the conference concurred that present and predicted levels of carbon dioxide and other gases in the atmosphere will have a severe impact on the environment, causing shifting of climatic belts and sweeping migrations and extinctions of organisms.

If the present trend continues according to current predictions, the overall global temperature will rise three to five degrees Celsius by the year 2030. Although this increase sounds insignificant, the ice age ended when overall earth temperatures rose five degrees.

In 1987, Dr. Newell coauthored the paper entitled, "Carbon Dioxide and People," with Leslie Marcus, research associate in Invertebrates. Drs. Newell and Marcus determined that the increase of carbon dioxide in the atmosphere is an index of the spreading impact of human activities on the environment.

GEORGE F. CAMPBELL, EXHIBITION PREPARATOR, IS DEAD AT 73



George F. Campbell.

George F. Campbell, one of the few preparators in the Museum's history who constructed complete dioramas from start to finish, died on Oct. 9, in Brighton, England. He worked at the Museum from 1967 to 1979.

Mr. Campbell was a principal preparator in the Museum's Department of Exhibition. He was known as a master of the artistic quality of perspective.

He created the superb miniature dioramas in the Hall of Asian Peoples depicting Calcutta, Peking and Alexandria, and the diorama of Isfahan with a man on a flying carpet.

He also created the life-size illustration of the giant jellyfish in the Hall of Invertebrates, a huge drawing painstakingly constructed with dots.

Mr. Campbell, who studied naval architecture, was a member of the Royal Institute of Naval Architects in England. He created marine paintings which are on view in maritime museums throughout the United States, Canada and Australia.

He authored and illustrated a number of books on maritime history for makers of model ships. His drawings are included in "The Anatomy of Nelson's Ships," a standard maritime reference text. He is survived by his wife, Peggy; his daughter, Isabel; and two sons, Roger and Roy.

FOSSIL SQUID (Continued from front page)

chambered nautilus. The ammonites that were brought back lived during the Cretaceous Period but predated the massive extinctions which occurred at the end of that Period.

The juvenile and adult ammonites that were brought back provide important material for Dr. Landman's study of development in this group.

Also accompanying Dr. Landman and Ms. Klofak on the expedition were Karl M. Waage, Professor Emeritus of Embryology at Yale University, and two of Dr. Landman's students, David Jacobs and Brett Bennington. The expedition was funded by the National Geographic Society.

CHILDREN'S CHRISTMAS PARTY

The annual Christmas Party for children of Museum employees was held on Wednesday, Dec. 14. Hundreds of children and their parents attended.

The party began in the Main Auditorium where the clown 'Silly Billy' performed a magic show.

From there, children went to the Hall of Ocean Life, to enjoy refreshments and receive presents from Santa, portrayed by Alan Ternes, editor of *Natural History* magazine.

Several activities took place on the upper level of the hall, where origami specialists taught the art of folding paper, children had their faces painted, and Silly Billy twisted balloons into animal shapes.

The Christmas Party was organized by Ernestine Weindorf, assistant to the publisher of *Natural History* magazine, and Jean Augustin, senior technician in the Department of Mammalogy. Photographs from the party will appear in the next issue of Grapevine.

HERE AND THERE

ANTHROPOLOGY: Joining are **Donna Ghelester**, exhibition assistant, **Donald McGranaghan**, museum technician and **Sasha Stollman**, assistant conservator.

BUILDING SERVICES: **Rebecca Moore** was promoted from secretary to senior secretary...**John Garvey** is a new Museum attendant guard.

DEVELOPMENT AND PUBLIC AFFAIRS: **Terisa Tribble** joined as secretary for the department...**Amado David** was promoted from part-time membership assistant to secretary in Development. Mr. David married **Wendy Kay Brown** of Canadaigua, NY in November...**Herb Kurz**, Public Affairs manager, was a panelist in a session on communication at the annual meeting of the Middle States Association of Museums in Baltimore, October 31...**Mitzi Bhavnani**, manager of Volunteers, attended the annual conference of the Association for Volunteer Administration in Denver in October...**Matthew Kelly** is a new part-time supervisor of Volunteers.

EDUCATION: **Malcolm J. Arth**, chairman, acted as president of an international jury at the 20th International Documentary Film Festival in Nyon, Switzerland, in October...

Alison Brown is the new secretary to the chairman...**Jose Guerrero** and **Lisa Sita** are new Museum instructors...**Migdalia Gross** is a senior clerk...**Nora Steele** is welcomed as Junior High School Natural Sciences coordinator...**Robin Webb** is a part-time supervisor in the People Center ...The new Dalton Lecturer is **Laura Weinstein**.

ENTOMOLOGY: **Michelle McFarland** is a new part-time curatorial assistant.

EXHIBITION AND GRAPHICS: **Cathy Leone**, is a new

secretary...**Michelle Stivelman** joined as senior preparator...**Aaron Tyler**, preparator, and his wife, **Cindy**, recently became the parents of a son, **Reid Caleb**.

FINANCIAL OFFICE: **Fred Quijano** was promoted from associate to the controller to senior associate to the controller.

GENERAL ACCOUNTING: **Sharon Anderson** is a new clerk...**Elena Hotakov** is a new bookkeeper.

HERPETOLOGY AND ICHTHYOLOGY: **Gareth Nelson**, curator, attended the annual meeting of the Willie Hennig Society and the symposium, "The Hierarchy of Life," sponsored by the Nobel Foundation in Stockholm, in September...

Patricia Escalante, part-time research assistant, was joined by **Charles J. Cole**, curator, and **Carol R. Townsend**, associate, on a lizard collecting trip in Mexico...**Michael L. Smith**, Kalbfleisch assistant curator, was in Jamaica and on Grand Cayman Island in August to continue his studies on Caribbean fish...**Maureen Donnelly** is a Boechenstein Research Fellow...**Stephen J. Leipertz** is the new collection registrar in Ichthyology.

INVERTEBRATES: **Kirk Fitzhugh** joined as Thorne Research Fellow.

LIBRARY SERVICES: **Martin Shapiro** was promoted from reference librarian to senior reference librarian...**Diana Shih**, senior cataloging librarian and **Priscilla Watson**, senior acquisitions librarian, attended the American Library Association's annual conference in New Orleans...**Nina Root**, chairwoman, and **Miriam Tam**, assistant librarian for technical services, recently attended the International Federation of Library Associations annual conference in Sydney, Australia...**Alvin Gonzalez** joined as part-time library assistant.

MAINTENANCE: **Robert Bryant** is welcomed as a new Museum maintainer...Joining as Museum attendant guards are: **Michael LaGuardia** and **Jose Ondarza**.

MUSEUM SHOP: **Augustina Arthur** and **Sara Dzikiewicz** are new part-time sales assistants...**John Cristophel** is a new buyer...Joining as senior clerk is **Melba Delgado**...Welcomed as part-time cash analyst is **Joseph McNulty**...**Marguerite Devers** and **Anton Oppenheimer** are new part-time supervisors...New part-time sales assistants are, **Irene Rivera**, **Julio Robledo** and **Elizabeth Rolon**...**Michael Vargosko** is part-time clerk typist.

NATURAL HISTORY MAGAZINE: **Janet Black** was promoted from secretary in Education to editorial assistant...**Robert Anderson** joined as assistant editor...Welcomed as part-time assistant coordinator is **Celia Chavez**...**Barbara Elkort** is the new assistant circulation manager...Joining as part-time membership assistant is **Casey Herrick**.

ORNITHOLOGY: **Francois Vuilleumier**, chairman, and **Lester Short**, Lamont curator, were guest lecturers at the centennial meeting of the German Ornithologists Union recently held in Bonn...Dr. Short recently returned from field work in Kenya, where he coordinated the seventh Pan-African Ornithological Congress in Nairobi...He was also appointed research associate of the Gallman Memorial Foundation in Kenya and was elected chairman of the new congress' executive committee...**Stuart Keith**, research assistant, also attended the congress...**Sylvia Hope**, graduate student in the American Museum of Natural History-City University of New York joint evolutionary biology program successfully defended her doctoral thesis on "Phylogeny of Corvidae."

PLANETARIUM: **Wayne Sinhart** was promoted from part-time supervisor of the Museum Shops to assistant manager of the Planetarium Shop.

PUBLIC ADMISSIONS: **Bernice Salik**, assistant manager, recently gave birth to a daughter, **Zakiya**...**Keith Gillespie** joined as part-time cash analyst.

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Grapevine



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LIBRARY

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NETHERLANDS ROYALTY VISITS THE MUSEUM **A. M. N. H.**

On Tuesday, Nov. 15, the Museum hosted Princess Margriet of the Netherlands, her husband, Pieter van Vollenhoven, and their son, Prince Bernhard. The Princess, who is deeply concerned with protecting the resources of the Netherlands, was particularly interested in seeing areas such as the Hall of North American Forests and the Hall of Ocean Life.

The Princess was greeted at the entrance to the Theodore



Princess Margriet chose a dinosaur tie in the Museum Shop.

Roosevelt Memorial Hall by George D. Langdon, Jr., president, and Thomas D. Nicholson, director. The Princess's visit was part of a full day of touring the highlights of New York City.

She was given an hour-long tour of the Museum by Dr. Nicholson and Julie Bennett, a Museum Highlights Tour guide. The last stop on the Museum tour was the Museum Shop where the Princess purchased several dinosaur ties.

BULLETIN: More than 100,000 people have visited the new Hall of South American Peoples since its opening to the public on Friday, Jan. 20.

MONKS BEGIN BUTTER SCULPTURE DEMONSTRATION



President George D. Langdon, Jr., right, greets actor Richard Gere, chairman of Tibet House, at the opening ceremony for Tibetan Buddhist Butter Sculpture demonstration. For most of February, 10 monks from Gyuto Tantric Monastery will be demonstrating the rare religious and artistic ritual of butter sculpting in the Whitney Memorial Hall of Oceanic Birds. The ritual is part of the Tibetan Buddhist new year's celebration, which fell on Feb. 7 this year.

VOLUNTEER IMPROVES PREPARATION TECHNIQUE IN VERTEBRATE PALEONTOLOGY

Walter B. Elvers, one of 13 volunteers in the Department of Vertebrate Paleontology, has improved the technique for preparing fossil fish for study. He works closely with John Maisey, a curator in the department who specializes in fossil fish.

Dr. Elvers, who is retired, was an orthodontist and later worked as an executive in the medical department of the Bristol-Myers Company. He has worked as a volunteer in Vertebrate Paleontology for more than two years.

"My experiences in orthodontic practice and industrial research attracted me to Vertebrate Paleontology where I could work with fossils," Dr. Elvers said.

Dr. Elvers became interested in fossil bone preparation

(continued on page 2)

on a trip to South Dakota in 1986. He was fascinated by the process of unearthing and preparing mammoth bones for an on-site exhibition.

Dr. Elvers presented his new technique at the annual meeting of the Society of Vertebrate Paleontology in Drumheller, Canada, in October. It attracted the attention of preparators from other institutions.

In early versions of the technique, the fossil was embedded



Walter B. Elvers

in a block of resin to hold the fossil's bone structure together. Excess resin was chipped away to reveal the specimen. The prepared fossil was vulnerable to damage, and was partially obscured by the resin.

In Dr. Elvers's new technique, a thin resin wall is constructed around the specimen. This prevents the prepared fossil from being damaged or obscured.

The fossil material which he worked on was donated to the Department of Vertebrate Paleontology by Herbert R. Axelrod. It is from the Lower Cretaceous (110 million years ago) and was found in northeastern Brazil.

SOUTHWESTERN RESEARCH STATION ESTABLISHES STUDENT SUPPORT FUND

The Museum has established the Southwestern Research Station Fund to support graduate and post doctorate students conducting research at the field station. Resident Director Wade C. Sherbrooke views the new program as "a way to broaden the Station's educational and research goals."

The Fund was made possible by the generous contributions of the Station's friends and visitors. Visitors often want to express their appreciation for the Southwestern Research Station. The fund provides a means for them to help the Station's graduate students establish their careers in the natural sciences.

Administered by the Museum's Office of Grants and Fellowships, the SWRS grants will be awarded on a project-by-project basis and will range from \$250 to \$500. This covers the cost of Station fees, and room and board.



Jeffery Divers, 4, gets a new look from face-painter Donna Gagliano. Margie Divers, part-time supervisor in the Museum Shop is his mother.



Leticia Negaron and Teri Marie Samot compare holiday finery. Teri Marie, 2, is the daughter of Luis Samot, clerk in the library. Leticia, 18 months, is his granddaughter.



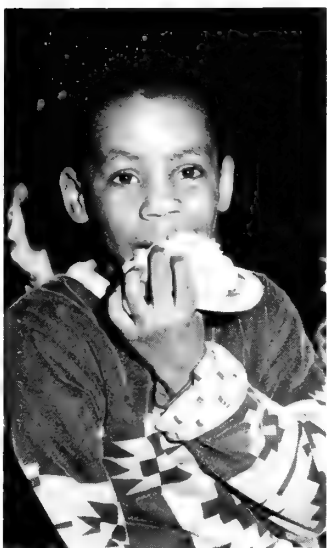
Delbert Garnett, 3, ends his holiday meal with some very tasty cake. He is the son of Jackie Garnett, part-time sales associate in the Museum Shop.



Christian Jenkins, 3, finds it much more comfortable to eat on the floor. He is Rose William's godson, Rose is a Museum attendant guard.



Sharing his Christmas wishes with Santa is Terrill Hughes, 6. Terrill is the son of Otis Hughes, construction maintainer in the Paint Shop.



Preston Jones, 8, son of Margie Jones, cashier in Public Admissions, samples the fare in the Hall of Ocean Life.



Three-year-old Amanda Massab, niece of Jeanne D'Onofrio, secretary to the President, shows off the artwork on her cheek.

HOLIDAY FUN AT CHILDREN'S CHRISTMAS PARTY

Nearly 500 children and members of their Museum employee families attended the annual Children's Christmas Party on Dec. 14. The festivities began in the Main Auditorium, where the antics of "Silly Billy" the clown captivated the audience. From there, the partygoers moved on to the Hall of Ocean Life where everyone enjoyed a whale of a dinner: a raft of hot dogs, a sea of soda and an iceberg of ice cream. Santa Claus gave presents to all the children and listened to their Christmas wishes.

You might think that Santa's beard gets stored away at the end of the evening. It is on view year-round, worn permanently by Alan Ternes, editor of *Natural History*, who has bounced thousands of children on his knee over the eight years he has been Santa. Without Mr. Ternes and Ernestine Weindorf, assistant to the publisher of *Natural History*, the party wouldn't be the same. Each year Ms. Weindorf performs the herculean task of organizing the party. Her efforts are a very special Christmas gift to hundreds of children.



Tammy Cole, 8, left and Joseph Cole, 2, are busy making paper dinosaurs. They are godchildren of Charlesetta Moses, telephone operator.



Tera Lyn Conroy, 4, is on the edge of her seat with excitement during the magic show. Tera is the niece of Wolfgang Fuchs, curatorial assistant in the Department of Mammalogy.

MUSEUM FISH GET NEW FRIENDS

The Ichthyology Department has a new group of enthusiasts, "The Friends of Fishes," organized by Mrs. Pat Yazgi, who teaches physics at Columbia University. The group will promote interest in the study of fishes and raise funds for the department.

Mrs. Yazgi began her involvement with the Museum when she donated a 14-foot, 600-pound marlin to the Ichthyology Department in February, 1988. Marlins are difficult to catch, and it is unusual to reel in a specimen of such great size.

After learning about the work being done here in Ichthyology, Mrs. Yazgi decided she wanted to contribute more to the department. She organized a fund-raising program, and invited people with a special interest in fish and the Museum. The program, a tour of the Department and a gathering with the Ichthyology staff, was held in November. It was followed by a reception at the Yazgi home.

So much interest was generated as a result of this program, that an ongoing group, "The Friends of Fishes," was formed.

HERE AND THERE

ANTHROPOLOGY: Attending the American Anthropological Association meeting in Phoenix in November were: **Stanley A. Freed**, curator, who delivered the paper "Ghost Illness in a North Indian Village;" **Laurel Kendall**, associate curator, who presented the paper "The Reinvention of Tradition: The Business of Traditional Korean Weddings." Scientific Assistants **Laila Williamson** and **Jaymie Brauer** managed the joint American Museum/Garland Publishing, Inc., publications table at the meeting...**Audrey Halpern** was promoted from senior clerk in Education to secretary in Anthropology.

BUILDING SERVICES: **Aldona Tancula** was promoted from Museum attendant guard to senior Museum attendant guard...**Rodolfo Diaz** and **Mohammed Khan** joined as Museum attendant guards.

EDUCATION: **Nathaniel Johnson**, coordinator of Special Programs, attended the eighth annual International Film Festival, Nov. 26 to Dec. 2, in Honolulu, Hi.

EXHIBITION AND GRAPHICS: **Michael Gaisner** is new as part-time projectionist.

GENERAL SERVICES: **John Marsh** is welcomed as a clerk...**Evelyn Nivar** joined as a new telephone operator.

HERPETOLOGY & ICHTHYOLOGY: **Charles J. Cole**, curator, and **Carol R. Townsend**, associate, participated in the symposium "Unconventional Vertebrates as Models in Endocrine Research" at the National Institutes of Health in Bethesda, Md., in December. **James W. Atz**, curator emeritus, also attended the symposium...**Melanie L. J. Stiassny**, assistant curator, conducted a type specimen study on cichlids and silversides at the British Museum of Natural History in London and at the Museum National d'Histoire Naturelle in Paris in November...**C. Lavett Smith**, curator, was in Carrie Bow Cay, Belize, in November to continue his studies of blennies...**Helena Andreyko** joined as a part-time curatorial assistant...**Carol Conroy** is a new secretary.

LIBRARY SERVICES: **Sarah Granato** is welcomed as a new reference librarian...**Lenise Corsi** is a new part-time Library assistant.

MAINTENANCE: **Joseph Arango** is a new assistant Museum maintainer...**William Milker** is a new Museum attendant guard.

MINERAL SCIENCES: **Eugene Ilton** is the new curatorial fellow.

MUSEUM SHOP: **Freddy Cruz** joined as part-time sales assistant...**Nancy Mahnken** is a new full-time sales assistant.

NATURAL HISTORY: **Robert Anderson** joined as assistant editor...**Ellen Goldensohn**, managing editor, married Steve Kindred in November...**Kate Moore**, publications assistant, married Jim Olsson in October.

OFFICE OF THE DIRECTOR: **Brenda Jones** was promoted from editor to manager of Scientific Publications.

OFFICE OF THE PRESIDENT: **George D. Langdon, Jr.** returned on Jan. 14 from a photographic safari in Kenya.

ORNITHOLOGY: **Walter J. Bock**, research associate, was elected commissioner of the International Commission for Zoological Nomenclature at the October meeting of the International Union of Biological Sciences in Canberra, Australia...**Allison V. Andors**, scientific assistant, presented a paper on the giant groundbird *Diatryma* at the second International Symposium of Avian Paleontology and Evolution, held at the Natural History Museum of Los Angeles County recently. He also traveled to San Francisco where he advised the California Academy of Sciences, on the design and construction of an Eocene diorama for a proposed new exhibit hall.

PLANETARIUM: **Elizabeth Herling** is welcomed as Guest Relations coordinator...**Mary Varnavas** is a new part-time sales assistant...**Joseph Farrington** joined as part-time planetarium assistant...**Jonathan Platt** is a new planetarium intern.

VERTEBRATE PALEONTOLOGY: **Michael Novacek**, chairman and associate curator, and **Andy Wyss**, Columbia University doctoral candidate, traveled to Chile in January to continue their search for early mammal fossils; they were joined by **Malcolm McKenna**, curator, and Columbia University doctoral candidate, **Meng Jin**...**Richard Tedford**, curator, and **Larry Flynn**, research associate, recently returned from a field trip to northern China where they studied mammal fossils...**Eric Delson**, research associate, and **David Dean**, CUNY doctoral candidate, also returned from China where they studied late hominid forms...**John Alexander** was promoted from scientific assistant to senior scientific assistant...**Stanley Blum**, Axelrod fellow, was awarded his Ph.D. at the University of Hawaii in October...**Ellen Garvens**, scientific assistant, married Jim Phalen in October.

VOLUNTEERS: The Museum mourns the death in November of two of its volunteers. **Murray Lichtenstein**, a retired dentist, became a volunteer in 1984, first working with the archives team in the Department of Mammalogy, and most recently as a teaching volunteer in the Department of Education. **Laura Goldman**, a retired secretary, first worked for **Mary LeCroy**, senior scientific assistant in the Department of Ornithology, and later in the department's library and photo archives...**Helen Hays**, chairwoman of the Great Gull Island Committee of the Department of Ornithology, has been taking small groups of volunteers from the department on educational trips to the Central Park Zoo...The Museum provided four Museum Highlights Tour guides to give tours at the Asia Society in its temporary exhibition "Dreamings: The Art of Aboriginal Australia."



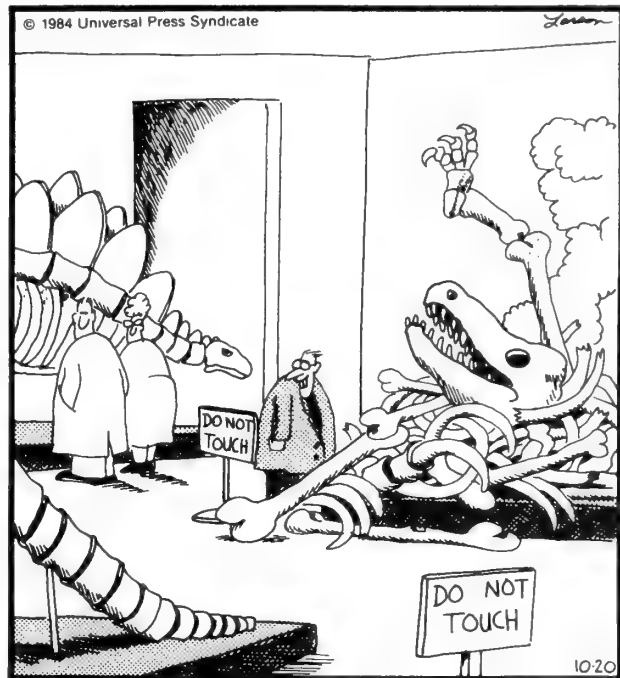
ANOTHER PERSPECTIVE ON SCIENCE: LARSON'S FAR SIDE CARTOONS

The Museum is putting on a show guaranteed to draw laughter — or at least a smile — when it presents, "The Far Side of Science," a compendium of 400 cartoons by Gary Larson. The exhibition will be located in the newly reopened Gallery 77, starting Friday, April 14, and running through Sunday, June 18.

Gary Larson has been called the "national humorist of natural history," by Stephen Jay Gould, noted scientist and research associate in the Department of Invertebrates.

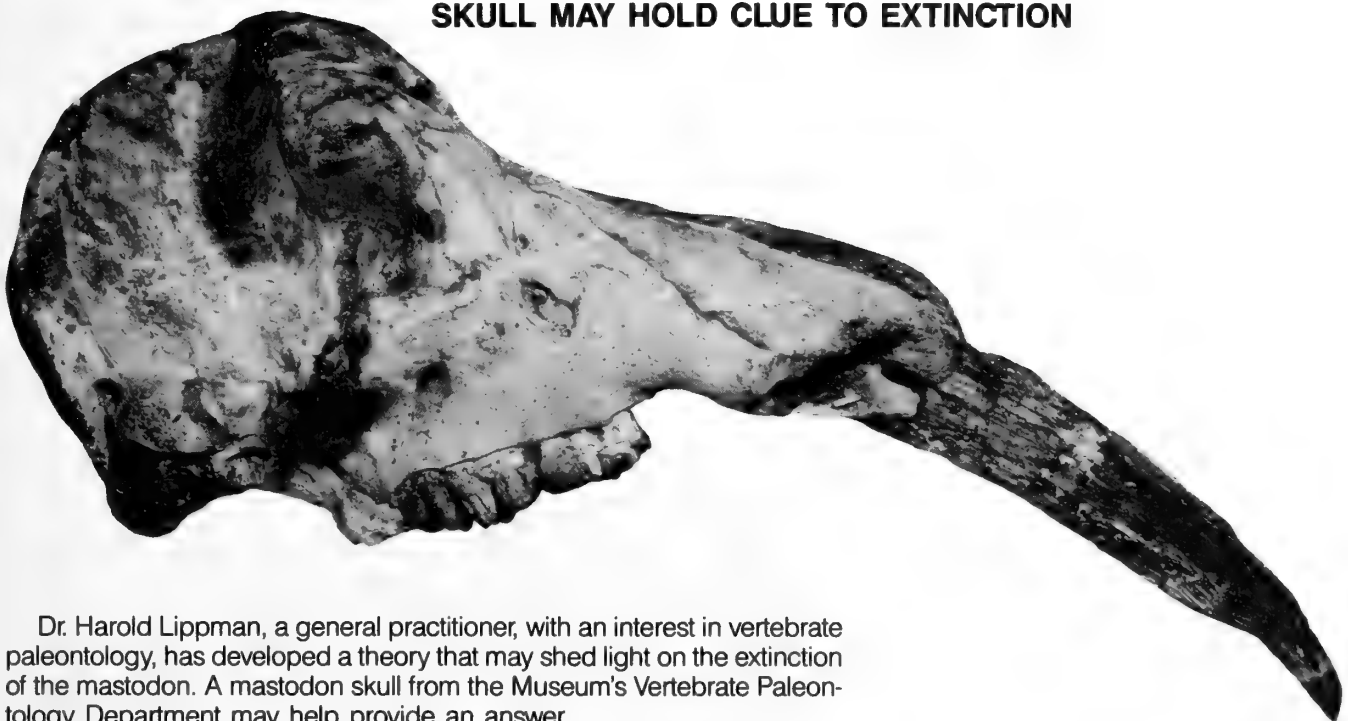
Mr. Larson, who earned a degree in biology, combines a trained scientific eye with an uncanny ability to translate science into sidesplitting humor. His cartoons dot the laboratories and offices of the nation's most prominent research institutions.

Visitors entering the gallery will see the show's title written out in colorful neon lights, and will glimpse a larger-than-life photograph of the artist. The cartoons will be displayed in loosely grouped scientific themes: scientific collections, predator/prey relationships, evolution, extinction, early man and animal behavior.



A Gary Larson cartoon

SKULL MAY HOLD CLUE TO EXTINCTION



Dr. Harold Lippman, a general practitioner, with an interest in vertebrate paleontology, has developed a theory that may shed light on the extinction of the mastodon. A mastodon skull from the Museum's Vertebrate Paleontology Department may help provide an answer.

(continued on page 2)

WHALE OF A BATH

Cleaning the blue whale is a giant job. The two-day task was completed at the end of January when every inch of the whale's surface was vacuumed and dusted. The project was carried out by specialists in industrial cleaning.

The whale got a bath just in time for its 20th birthday, for 1989 marks the 20th anniversary of the completion of the Hall of Ocean Life and the Biology of Fishes.

The Hall has a long history. The building for the Hall was finished in 1926, but the Stock Market crash made it impossible to complete the work on the dioramas. The incomplete Hall was open to the public for twenty-five years.

In 1959, a plan was conceived to create an even greater Hall than originally envisioned: The new Hall would display a full size blue whale as its centerpiece. Richard G. Van Gelder, then chairman in the Department of Mammalogy, was in charge of the planning of the whale.

Initial proposals for the model included supporting the whale from a pedestal in the center of the Hall, or producing a model of a dead, beached whale to lie in the middle of the floor. Neither of these plans met with enthusiasm or approval.

Lyle Barton of the Exhibition Department came up with the final design, suspending the whale from the ceiling at a single point, diving down, seemingly unsupported.

Work on the whale began in 1967. It was constructed in Georgia and was made of blocks of polyurethane foam coated with Fiberglas, supported by a massive steel framework. The replica was modeled after a female whale found off South Georgia Island near Antarctica in 1925.

It took two years to construct the whale, but only one day to raise it. On Feb. 26, 1969, the blue whale was hoisted into place. Everything went perfectly, to the relief of the somewhat nervous engineers.

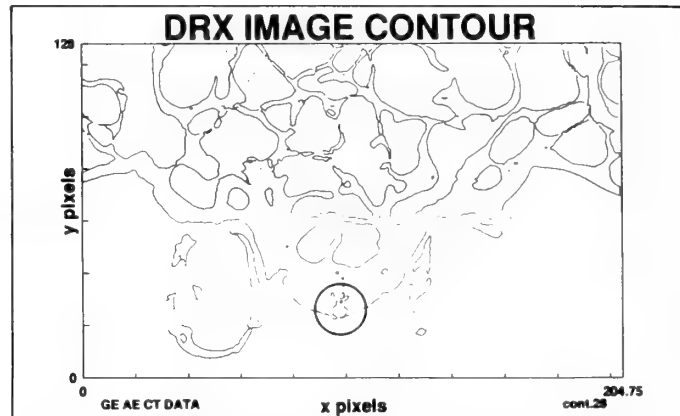
The Museum's whale is the largest replica in the world, stretching 94 feet and weighing in at 10 tons.

The whale was an immediate success. On the first Sunday the Hall was open, 35,000 people came to see it, a record for the Museum at the time.

(Skull - continued from page 1)

Dr. Lippman discovered that some of the mastodon skulls he has examined showed evidence of cranial pharyngioma, a malignant tumor located in the back of the throat near the base of the brain. This cancer affects the hypothalamus, the pituitary gland and the central nervous system.

Dr. Lippman borrowed, from the Department of Vertebrate



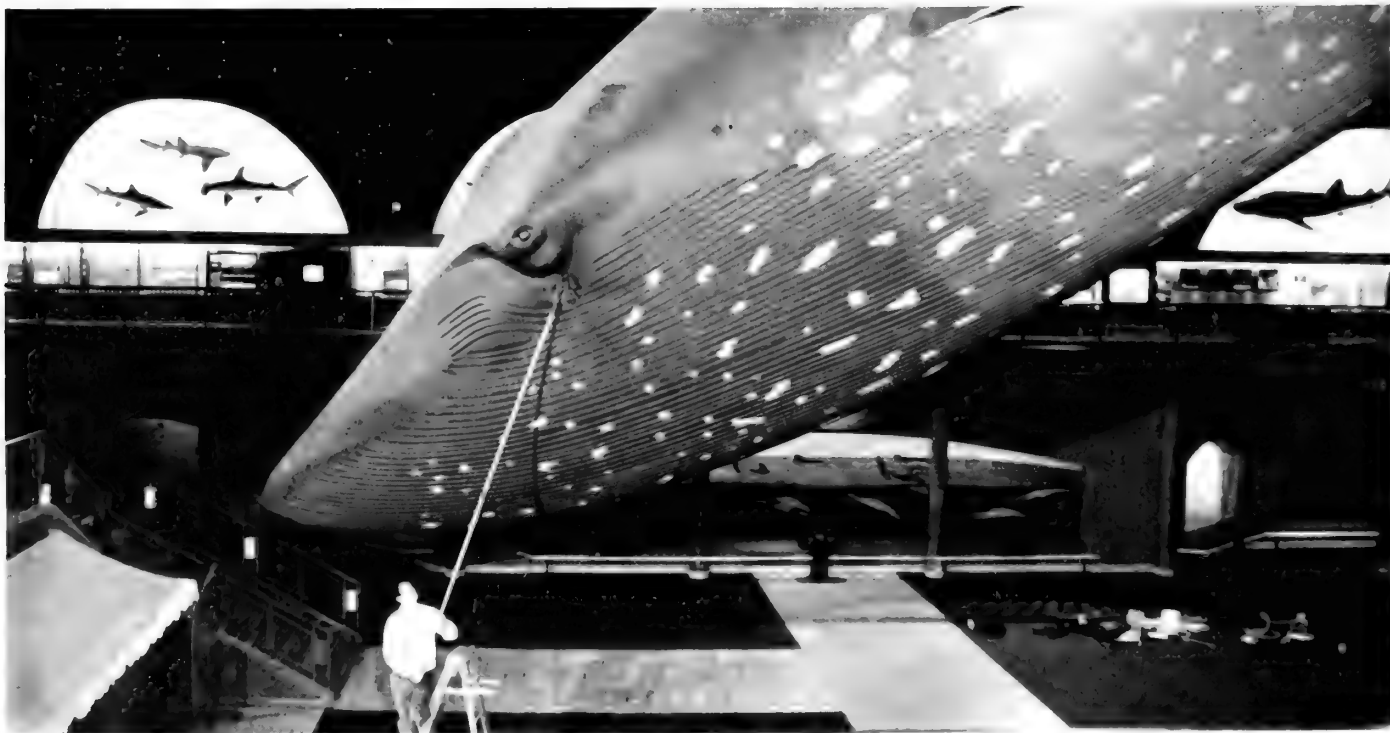
CAT scan of the mastodon skull. The circled area shows where the tumor was located.

Paleontology, a mastodon skull with evidence of cranial pharyngioma. He had it CAT scanned at the New Jersey College of Medicine and Dentistry in Newark which confirmed his diagnosis.

In humans, the condition occurs in one in 50,000. However, the incidence of cranial pharyngioma among Japanese increased three and one-half times for two decades following the bombing of Hiroshima.

Dr. Lippman also took a mastodon skull from the Dayton Museum of Natural History to General Electric in Cincinnati where it underwent examination in GE's large industrial CAT scan to check for the cancer.

He hopes to prove that the disease may have been caused by massive increases in extraterrestrial radiation during the Late Ice Age and that this ultimately caused the demise of the mastodons.



The whale undergoes a cleaning



MONKS' SWAN SONG

Tibetan Buddhist monks from the Guyuto Tantric monastery prepare to perform their unique ritual of harmonic chanting at the closing ceremony for the butter sculpture demonstration on February 24. More than 300 well-wishers were on hand to say good-bye

to the monks after their month-long butter sculpting project in the Whitney Memorial Hall of Oceanic Birds. The sculptures behind the monks remained on view to the end of March and were seen by more than 70,000 persons.

SCIENCE ACADEMY'S SYMPOSIUM AND DINNER HONORS TRUSTEE GOLDEN

The New York Academy of Sciences held its 171st Annual Dinner and Meeting at the Museum in January. During the evening, the Academy honored its 1988 president, Museum Trustee William T. Golden and gave awards for achievement in the sciences to five scientists.

The Academy also held a daylong symposium marking the 25th anniversary of its Junior Academy. Some 750 of the city's most talented high school students participated in the symposium in the Naturemax Theater.

Among symposium speakers were author Isaac Asimov, Nobel Laureate Gerald M. Edelman of Rockefeller University, and Col. Frederick D. Gregory, Challenger space shuttle pilot.

The scientists who received awards at the Academy's dinner meeting in the Hall of Ocean Life: Joshua Lederberg for service to science; Anthony L. Turkevich for research in the

physical sciences; Ruth and Victor Nussenzweig for their work on malaria vaccines; Peter Van Nest Bodine for research on stress hormones, and Fang Li Zhi, a spokesman for human rights and free inquiry in China.

Dinner speakers were John Reed, chairman of Citicorp, and Marvin L. Goldberger, director of the Institute for Advanced Study.

Established in 1817, the New York Academy of Sciences has more than 45,000 members worldwide. They represent the behavioral, biological and physical sciences, and engineering.

The Junior Academy of the New York Academy of Sciences began in 1963 as an organization of high school science students. It is the only student-run organization of its kind in the United States.

MUSEUM GETS NEW VISITOR TAGS

Museum visitor tags have a new look. Since December, the Museum has been distributing brightly-colored cardboard tags to contributors rather than the metal buttons formerly used.

The paper tags were given a trial run last summer and were so successful that the decision was made to put them into permanent use.

The tags are circular and display the Museum logo within a colored ring. They are about two inches in diameter and hang from a string.

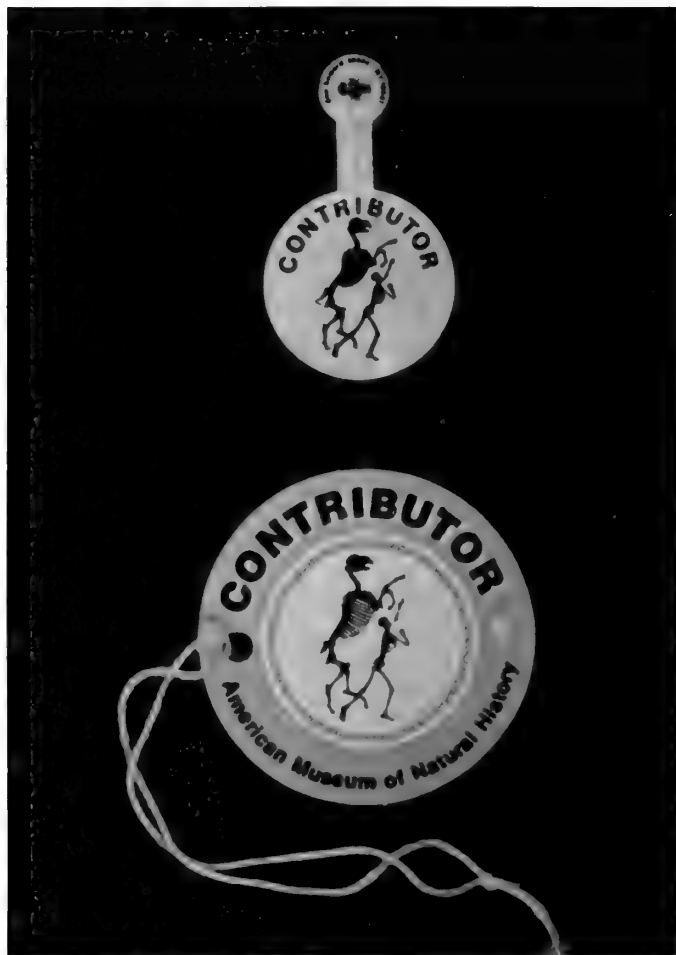
The earlier metal tags scratched furniture, and could damage Museum fixtures. Paper tags do not cause damage, and are safe for young children to play with. The tags are also biodegradable.

"Many visitors have said they like the livelier colors of the new tags," says Admissions Control manager Jerome Williams, who administers the tag program.

People exercise a creative flair when it comes to displaying the tags. Visitors have been seen sporting the tags, not only on shirt buttons and belt loops, but hanging from their ears and fingers, attached to ear rings, wrist watches and sunglasses, and tied to shoelaces.

Children seem to take special delight in the tags. Looping them around the wrist as a bracelet is popular. One young visitor gave her tag to her doll to wear as a necklace while another hung hers from her stuffed animal's tail.

The tags come in seven colors, blue, green, red, orange, purple, yellow and gray, one for each day of the week. The color of the day is chosen randomly, but on Saint Patrick's Day it has to be green.



Metal button. Cardboard tag

HERE AND THERE

ANTHROPOLOGY: **Marlene Eidelheit** joined as a new part-time assistant textile conservator.

BUILDING SERVICES: **Ronald Kishun** and **Thomas Rivera** are new Museum attendant guards.

EDUCATION: **Theodora Yoshikami** is welcomed as a community programming consultant...**Lynn Crawford** is a new part-time supervisor in the People Center...**Lisette Spencer** joined as a senior clerk.

ENTOMOLOGY: **Raymond Forster** is the new Thorne Research Fellow...**David A. Grimaldi**, assistant curator, and **Philip J. DeVries**, associate, spent January and February in Costa Rica collecting flies and butterflies for study. They also taught at the Organization of Tropical Studies there.

EXHIBITION: **Vineta Sylvester** and **Alan Walker** have joined as preparators...**Eddie Manner** is a new intern preparator.

GENERAL SERVICES: **John Marsh** is a new clerk.

HERPETOLOGY & ICHTHYOLOGY: **C. Lavett Smith**, curator, was in the Turks and Caicos Islands in February to do continuing work on larval fish...**Mark Allen** is welcomed as the secretary.

LIBRARY SERVICES: **Nina Root**, chairwoman, reviewed grant proposals for the U.S. Department of Education in Washington, Feb. 6-9...She and **Miriam Tam**, assistant librarian for technical services, also attended the American Library Association mid-winter meeting in Washington, Jan. 6-10...**Valerie Wheat**, assistant librarian for Reference Services, gave a presentation on natural and physical history library collections in the New York area at a conference sponsored by the New York Public Library and the New York Historical Society on Jan. 27...**Stephen Morgan** is a new part-time library assistant...**Altonio Reid** is welcomed as the new secretary.

MAINTENANCE: **William Miller** is a new Museum attendant guard...**Cliff Richardson** has joined as assistant Museum maintainer...**Carl Rizzo** is a new cleaning supervisor.

MAMMALOGY: **Audrone Biknevicus** and **Victoria Mayer**, are welcomed as scientific assistants.

MUSEUM SHOP: **Troy Ahwhah**, **Merle Lani Guttermann**, **Sojourner Hardeman** and **Patricia Kovacs** have joined as part-time sales assistants...**Lisa Steinberg** is a new part-time cash analyst.

NATURAL HISTORY: **Bruce Stutz**, senior editor, received a grant from the American Littoral Society in January to write a book on the natural history of the Delaware River...**Cheryl Lovinsky** was promoted from assistant fulfillment manager to circulation coordinator...**Ruth McCrea**, business manager, gave birth to a baby girl, Allison, on Jan. 7.

ORNITHOLOGY: **Francois Vuilleumier**, chairman, was recently in Chile doing field work on speciation and hybridization of selected birds...He and **Lester L. Short**, curator, are coteaching a graduate course in ornithology offered by the City University of New York and taught in the Ornithology Department here...**Angela Averitt** is the new secretary.

VERTEBRATE PALEONTOLOGY: **Gavin Naylor** is the new Kalbfleish Research Fellow.

VOLUNTEERS: A total of 59 volunteers worked at the Origami Teaching Table while the Origami Holiday Tree was on view, Nov. 21 to Jan. 8...Manhattan Borough President David Dinkins has presented certificates of appreciation to 17 volunteers who work in the library...**Herbert J. Neuman**, who worked at the Information Desks since 1980, died in February.

Grapevine

LIBRARY



American
Museum of
Natural
History

MAY/JUNE 1989

JUN 28 1989

REFERENCE

46

A. M. N. H.

DOES NOT CIRCULATE

Vol. 47, No. 3

CHANGES AT THE TOP: BOARD CHAIRMAN, DIRECTOR RETIRE; THEIR SUCCESSORS ARE NAMED



Robert G. Goelet



William T. Golden



Thomas D. Nicholson



William J. Moynihan

Robert G. Goelet, Chairman of the Board of Trustees, and Thomas D. Nicholson, Director of the Museum, announced their retirements. Mr. Goelet made his announcement at the Board of Trustees meeting on Tuesday, May 9. Dr. Nicholson said he plans to retire on June 30.

William T. Golden, who has been a Vice President and a Trustee for many years, was appointed the new Chairman of the Board at the May 9 meeting.

Under the American Museum's system of governance, the President, George D. Langdon, Jr., is the chief executive officer. Mr. Langdon was appointed President on July 1, 1988.

William J. Moynihan, Executive Assistant to the President, will become Vice President and Director on July 1.

Mr. Moynihan joined the Museum as Executive Assistant to the President last July. An educator and administrator at Colgate University for 15 years, Mr. Moynihan was dean of the college before coming to the American Museum.

ADMINISTRATIVE VICE PRESIDENTS AND A SPECIAL ASSISTANT TO THE PRESIDENT ARE NAMED AT THE MUSEUM

Three top administrative positions have been filled, it was announced by George D. Langdon, Jr., President of the Museum.

The appointments of the two Vice Presidents and a Special Assistant to the President are the first in a new managerial structure for the Museum.

Named to the new positions were:

Barbara Dwyer Gunn, Director of the Mayor's Office of Operations since 1986, who will hold the Museum title of Vice President for Finance.

Aldona Jonaitis, Vice Provost for Undergraduate Studies at the State University of New York at Stony Brook, who will be Vice President for Public Programs.

Linda F. Cahill, former Special Assistant to the Mayor and Director of the Mayor's Office of Special Projects and Events, who will be Special Assistant to President Langdon.

"The three new Museum officers will bring to this great institution all of the experience, talent and commitment for which they are so well known," Mr. Langdon said. "They were chosen from an impressive list of extremely well qualified persons."

As Vice President for Finance, Ms. Gunn will oversee policy and operations in the administration of the \$50 million annual budget.

Dr. Jonaitis, as Vice President for Public Programs, will coordinate the operations of the Exhibition Department, the Education Department and the Planetarium.

Among her duties, Ms. Cahill will oversee activities of the Office of the President and represent Mr. Langdon in coor-



Barbara Dwyer Gunn



Aldona Jonaitis



Linda F. Cahill

minating and developing Museum policy and activities. She will also bring staff representation and support to the Board of Trustees.

Ms. Gunn, who has been Director of the Mayor's Office of Operations since 1986, has served in a number of city departments since 1979, including the Department of Transportation, the Department of Parks, and the Human Resources Unit in

(Continued on page 2)

(Continued on page 4)

RETIREMENTS (Continued from front page)

At the meeting on May 9, Mr. Goelet was made Chairman Emeritus. Following his retirement, Dr. Nicholson will be Director Emeritus and will remain active as a consultant to the Museum.

Mr. Goelet was elected a Trustee in January, 1958, and in 1975 he succeeded Gardner D. Stout as eighth President of the Museum. Last July he became Chairman of the Board.

Dr. Nicholson joined the American Museum-Hayden Planetarium as an associate astronomer in 1954 and became chairman in 1964. In 1968, Dr. Nicholson was appointed assistant director of the Museum and upon James A. Oliver's retirement in 1969, he became Director.

Under the guidance of Mr. Goelet and Dr. Nicholson, the Museum experienced growth in visitorship, expanded its educational activities and developed innovative permanent and special exhibitions. The scientific departments were restructured and consolidated and advances were made in the conservation of the 36 million artifacts and specimens that comprise the Museum's collections.

Even before joining the Museum, Mr. Goelet had a deep interest in the natural sciences. He has been a trustee of the New York Zoological Society since 1951, and was president there from 1971 to 1975. He was a member of the board of directors of the National Audubon Society from 1956-1967 and 1969-1975 and held the office of treasurer from 1959 to 1969.

Mr. Goelet, who heads family real estate and investment enterprises, has also been a director of the Boscobel Restoration since 1976; trustee of the French Institute/Alliance Francaise de New York since 1967; trustee of the Carnegie Institution in

Washington since 1980, and was a trustee of the New-York Historical Society 1961-1987, president 1971-1986, and chairman 1986-1987.

Mr. Goelet lives in New York with his wife Alexandra Gardiner Creel and their two children, Alix and Robert Gardiner.

Dr. Nicholson has been characterized as a "senior statesman" in the cultural community. On Monday, May 8, Dr. Nicholson was summoned to Gracie Mansion to receive from Mayor Koch a special award recognizing his 35 years of service to the Museum and the City of New York.

A retirement party, held in his honor on Friday, May 12, in the Hall of Ocean Life, was attended by more than 685 Museum staff, volunteers, and research associates who were on hand to wish Dr. Nicholson well.

Before joining the Museum and Planetarium, Dr. Nicholson served in the Merchant Marine during World War II. Following the war, he was instructor in the Department of Nautical Science with the U.S. Merchant Marine Academy, and in 1952, was named director of the Academy Planetarium.

Dr. Nicholson was a member of a NASA evaluation and testing team for the Gemini XII hand-held space sextant during 1965 and 1966.

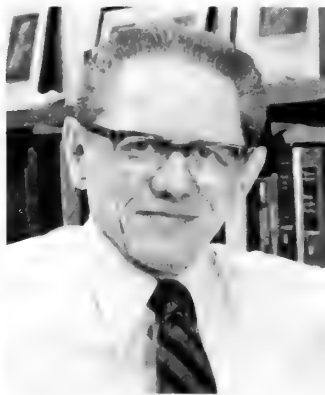
Among his non-Museum activities was an eight-year assignment, until 1972, as a special events and weather broadcaster for WNBC (New York) radio and television. In 1970 he was cited for his contribution to the NBC-TV program, "Solar Eclipse: A Darkness at Noon," for which he received an Emmy Award from the National Academy of Television Arts and Sciences.

Dr. Nicholson and his wife, Branca, live in Woodcliff Lake, N.J. They have four children and two grandchildren.

RETIRING CURATOR HEADS FOR PARADISE: CURATOR EMERITUS MOVES TO ROCHESTER



Richard G. Zweifel



Bobb Schaeffer

Richard G. Zweifel, curator and former chairman of the Department of Herpetology, retired March 31. The primary focus of Dr. Zweifel's research has been the study of the ecology and systematics of reptiles and amphibians, particularly those of North America and New Guinea.

Dr. Zweifel, and his wife, Frances, moved to Paradise, Arizona, where they are in the process of building a log home (perhaps to house his renowned collection of air sickness bags which surpasses that of the Smithsonian Institution). He plans to continue his research at the Southwestern Research Station, which is five miles by trail and 10 miles by road from his new home.

He has studied the population ecology and demographics of lizards and turtles in their natural environments, the evolutionary relationships among frogs of New Guinea and how color patterns in the California kingsnake are inherited.

Dr. Zweifel joined the Museum in 1954, as assistant curator in

the Department of Herpetology. He was associate curator from 1960 to 1965, and chairman from 1968 through 1980.

As chairman of the Department of Herpetology, Dr. Zweifel was instrumental in setting up the Hall of Reptiles and Amphibians. The Hall opened to the public in 1977.

Dr. Zweifel has published more than 90 scientific papers as well as articles for magazines and encyclopedias. He is a member of the American Society of Ichthyologists and Herpetologists, the Herpetologists' League, the Society for the Study of Amphibians and Reptiles, the Ecological Society of America, the Southwestern Association of Naturalists, the Society for the Study of Evolution and the Young Men's Heethen Association.

Also leaving the Museum, is Bobb Schaeffer, curator emeritus and former chairman of the Department of Vertebrate Paleontology. He was named curator emeritus in 1978.

Dr. Schaeffer and his wife, Betty, moved to Rochester.

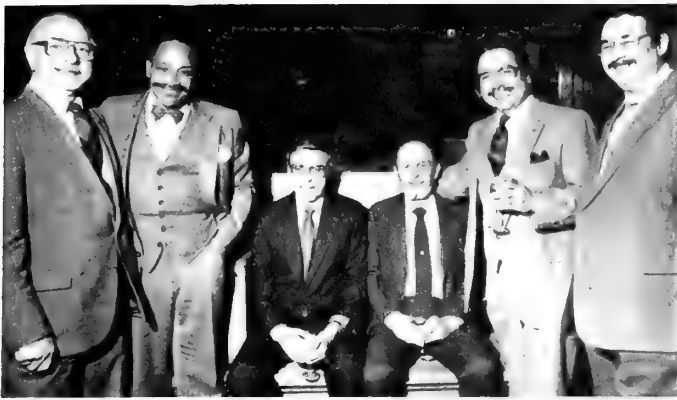
Dr. Schaeffer joined the Museum in 1946, as assistant curator. In 1949 he became associate curator, then curator in 1955. He was chairman of the Department of Vertebrate Paleontology from 1966 to 1976.

Dr. Schaeffer's specialty is the systematics of ray fin fishes from the Triassic and Jurassic periods.

It was under his direction that the Museum's fossil fish exhibit, adjacent to the Hall of Early Dinosaurs, was set up. At the time of its opening in the early 1950s, it was one of the few exhibits of its kind.

Much of the Museum's collection of fossil fishes stems from field research directed by Dr. Schaeffer in Wyoming, Colorado, Utah, New Mexico, Idaho, and Texas, as well as in Europe.

Dr. Schaeffer is the author of more than 100 scientific papers which have appeared in the *Bulletin of the American Museum of Natural History*, *American Museum Novitates*, the *Journal of the Linnean Society* and other journals.



A total of sixty years of Museum ping pong is represented by, from left to right, Raymond de Lucia, former chief preparator in Exhibition and Graphics, Jean Augustin, senior Museum technician in the Department of Mammalogy, new member Vincent Tumillo, Ken Chambers, assistant chairman of the Department of Education, Steve Medina, senior Museum technician in the Department of Mammalogy, and Irving Almodovar, senior clerk in General Services.

NEW MEMBERS INDUCTED INTO THE QUARTER CENTURY CLUB

Four new members were inducted into the Quarter Century Club at a reception and dinner on April 6 in the Hall of African Mammals. More than 100 guests assembled to welcome the new members and catch up with old friends. The new members bring the Club's roster up to 167.

The four new inductees are: Catherine Bizelia, senior telephone operator; Vito J. Melito, senior Museum attendant guard; Vincent J. Tumillo, senior Museum technician, and Charles A. Weaver, deputy director for administration.

One of the highlights of the evening came when Director Thomas D. Nicholson challenged Mr. Weaver, who is a great Irish tenor, to a singing contest. In a unanimous decision, Mr. Weaver pronounced himself the winner.

After dinner, Robert G. Goelet, then Chairman of the Board of Trustees, welcomed the new inductees, and Dr. Nicholson and President George D. Langdon, Jr., presented them with 25-year certificates.



Director Thomas D. Nicholson, right, asks the audience to gauge the winner of his singing contest with new member Charles Weaver, deputy director for administration. Pauline Meisler, assistant director for Financial Operations, seated, casts her vote with a hearty laugh.



Theresa Melito, center, enjoys a laugh during the induction speech for her husband and new club member, Vito Melito, senior Museum attendant guard, seated on her left



President George D. Langdon, Jr., left, with the three new inductees, from left to right, Vincent Tumillo, Vito Melito and Charles Weaver.



From left to right, Anthony Polo, electrician, Charles Urban, manager of General Accounting, Ernestine Weindorf, assistant to the publisher of *Natural History*, and Rose Wadsworth, administrative assistant in Exhibition, hobnob during the reception

APPOINTMENTS (Continued from front page)

the Mayor's Office of Operations.

Dr. Jonaitis, an art historian, earned her doctorate at Columbia University. Her most recent publication is "From the Land of the Totem Poles: The Northwest Coast Indian Art Collection at the American Museum of Natural History" (1988, American Museum and University of Washington Press).

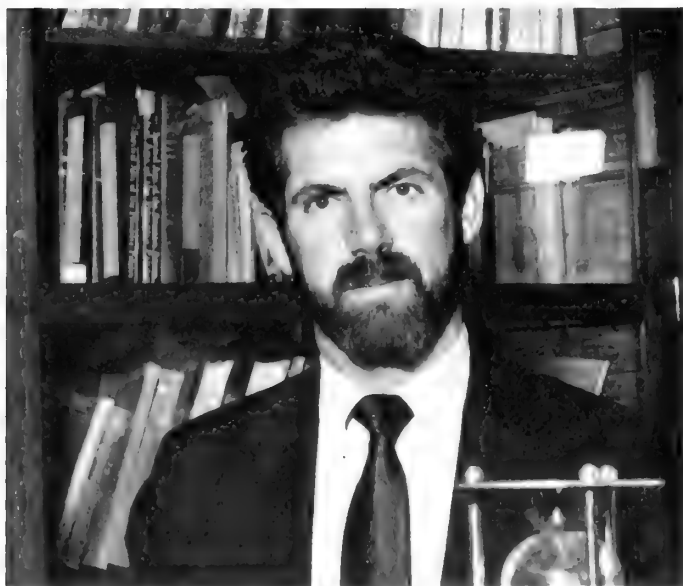
Ms. Cahill, who served as Mayor Koch's Special Assistant and Director of the Office of Special Projects and Events from 1982 to February, entered city service in 1978 as Assistant to the Mayor and Director of Scheduling. Previously, she held posts at the United Nations Association as Director of Speaker Services, Director of Education and as Assistant Director of UN—Day Programs.

In 1988, she received the Medal of the Royal Swedish Order of the Polar Star, and this year, Mayor Koch awarded her the New York City Seal of Recognition. Ms. Cahill is a Phi Beta Kappa graduate of Smith College.

SCIENTISTS NAMED TO NATIONAL ACADEMY OF SCIENCES

At press time, a Museum curator and two research associates were named to the National Academy of Sciences. Election to the Academy is considered one of the highest honors that can be accorded a U.S. scientist.

Appointed are David Hurst Thomas, curator in the Department of Anthropology, Stephen J. Gould, research associate in the Department of Invertebrates who also holds the posts of Alexander Agassiz Professor of Zoology and professor of geology at Harvard, and William A. Berggren, a research associate in the Department of Invertebrates and senior scientist at the Woods Hole Oceanographic Institute.



David Hurst Thomas

Other Museum scientists appointed in previous years were Norman D. Newell, curator emeritus in Invertebrates, and Harry L. Shapiro, curator emeritus in Anthropology.

Dr. Thomas joined the Museum in 1972, and is a specialist in the field of North American archeology. Dr. Gould is a noted biologist, geologist and science historian. Dr. Berggren researches Cenozoic micropaleontology, paleoceanography, and paleoecology.

CLARE STOUT, EXPLORER AND MALACOLOGIST, DIES IN NEW CANAAN



Clare Stout

Clare Stout, wife of the seventh president of the Museum and a malacologist and explorer in her own right, died on Monday, May 8, at her home in New Canaan, Connecticut. She was 81. Clare Stout had a significant role in the development of the Hall of Mollusks and Mankind.

Mrs. Stout, an avid collector of marine shells, personally raised the funds for the Hall of Mollusks and Mankind. She

encouraged the Board of Trustees to implement construction of the Hall, an interdisciplinary exhibit combining biological and anthropological materials.

Gardner D. Stout was president of the Museum from 1968 to 1975. Mrs. Stout accompanied her husband on his worldwide travels; she was his secretary and photographer on these trips.

She and Mr. Stout, together with Harry Shapiro, curator in the Department of Anthropology, and C. Lavett Smith, curator in the Department of Herpetology and Ichthyology, undertook an expedition to the Society Islands in the early 1970s to examine relics of prehistoric Polynesian society and collect fish and shell specimens.

Even after her husband's passing in 1984, she remained a generous benefactor and an energetic supporter of the Museum. Her contributions have been allocated to the conservation of bird art, an area in which her husband shared an extreme interest.

Clare Stout is survived by her sons, Gardner, Jr., and Prentice. A third son, Richard, died in 1970.

NEW WORKS OF MUSIC AND DANCE PERFORMED IN MUSEUM HALLS

In an unusual program of dance and music—"Dancing into Natural History"—the American Museum and Dancing in the Streets, Inc., brought new works by four innovative New York performing artists into the exhibition halls of the Museum on Wednesday, May 17 and Saturday, May 20.

The program featured two newly commissioned dance pieces performed in the Museum halls that inspired them, and a presentation of two solo musical compositions, also given in one of the Museum's exhibition spaces.

The choreographer Douglas Dunn and the dancer Grazia Della-Terza together danced sections of a work entitled, "The Great Dinosaur Rescue" at the feet of two duck-billed dinosaurs and a 47-foot *Tyrannosaurus rex* in the Hall of Late Dinosaurs.

In the Hall of Ocean Life, choreographer Stephan Koplowitz presented a "movement choir" by 20 dancers and singers who performed on the balconies that encircle the whale.

In the Hall of Oceanic Birds the composer/performers Dan Froot and Mieczyslaw Litwinsky, known for their compositions and performances with dance companies, presented musical compositions. Mr. Litwinsky sang his own works, accompanying himself on the harmonium. Mr. Froot did an original piece for the saxophone entitled, "Knee Deep in a Kiss."

Dancing in the Streets is an organization dedicated to bringing performances out of the concert hall and into public spaces and unusual settings. It is now in its sixth performance season.

HISTORY OF ASIAN JEWS TOLD IN NEW EXHIBIT HERE



Pair of silver Afghan Torah finials from the Asian Jews exhibit.

The history of Asian Jews—a story spanning 25 centuries and covering 13 lands—is told in a new exhibit in the Museum's Hall of Asian Peoples. The exhibit opened on Friday, May 5.

The exhibit comprehensively represents the diversity of Asian Jewish life and focuses on a historical grid that portrays landmark events in Asian Jewish history, from the Babylonian exile in the 6th century B.C.E. through the 19th century C.E.

Represented on the grid are the Asian lands and regions in which Jews settled. This occurred first in ancient Israel and subsequently in Turkey, China, India, Afghanistan, Yemen, Syria, Persia, Iraq, Kurdistan, the Caucasus, Bukhara, and areas encompassing ancient Babylonia and modern-day Lebanon.

Interspersed in the grid are Jewish ceremonial and folk art objects. Among the objects are a miniature Torah from Israel, a scribe's box from Turkey, a shofar (ram's horn) from Yemen, a dreidel (a top spun in play during Hanukkah) from Israel, and Hanukkah lamps from Yemen and Syria.

The grid is enlivened by 57 portraits representing Asian Jews through the centuries, and by brief quotations, presented in the first person, that suggest how various Jews might have reacted to the events and conditions of their time.

In addition to the grid, video programs highlight key aspects of Asian Jewish life in greater depth. The programs include brief vignettes of each Asian land in which Jews have lived. Geographic settlement, community life, and the many pressures and influences on Jews in Asia are also explored in the videos.

The images in the video programs were drawn from major archival collections at the National Israel Museum in Jerusalem, the Nahum Goldmann Museum of the Jewish Diaspora in Tel Aviv and the Musée de l'Homme in Paris.

The exhibit was made possible by a generous grant from the Henry Kaufmann Foundation.

Anna Cohn, director of the Smithsonian Institution Traveling Exhibition Service, is the consultant who developed the exhibit. Laurel Kendall, associate curator in the Department of Anthropology, is the Museum's curator for the exhibit.

MUSEUM'S CAMP-IN PROGRAM IS GREAT SUCCESS

Following last year's successful Camp-In, the Education Department organized another program this year, held on one weekend in February and one in March. More than 250 girls and adults from various youth organizations in the Tri-State area participated in this year's event.

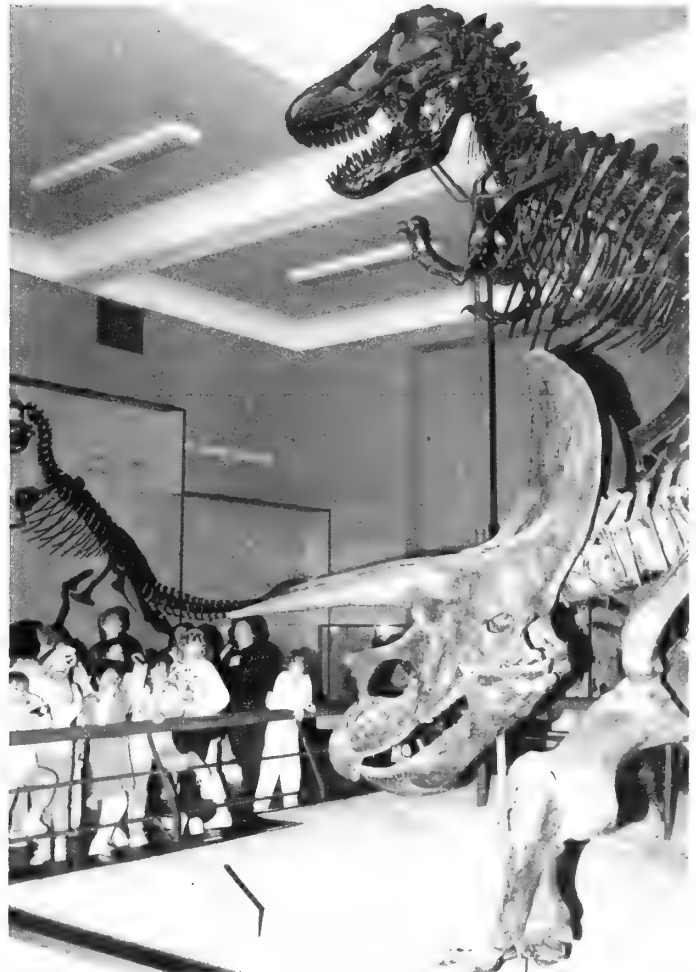
The Camp-In originated as the fulfillment of the fantasy of camping overnight in the Museum and as a means of generating in young people excitement about the sciences.

In 1985, Nathaniel Johnson, special programs coordinator, and Marcia White, manager of teaching programs, had the idea of starting a Camp-In program.

After getting the go-ahead from Malcolm Arth, chairman, they gathered information, attended camp-in conferences, and even spent a night on the floor of the Boston Museum of Science where Camp-Ins were already established.

The American Museum is the first museum in New York and the first natural history museum to hold a Camp-In.

Plans for next year are already in the works. They include holding a Camp-In weekend for boys.



The girls on a flashlight tour of the dinosaur halls.
Photo by Martin Lipschitz/New York Post

NEW YORK CITY REVEALS ITS TRUE NATURE

New York City may seem like a completely man-made environment, but that isn't the whole story. The exhibition, "The Nature of New York City: Photographs by the Sierra Club," which opened on April 27 in the Akeley Gallery, shows a different picture.

The members of the Photography Committee of the New York City group of the Sierra Club set out to explore nature in their own backyard: the streets of New York. From the resulting color images, 37 were chosen for this exhibition.

In the city, nature both harmonizes with human designs—as in parks and gardens—and conflicts with them, as when a weed cracks through the sidewalk or fog engulfs the skyscrapers. These images reveal that nature's influence is felt even in the most unexpected places.

"The Nature of New York City: Photographs by the Sierra Club" will be on view through mid-summer. It is an Arthur Ross exhibit of the month.



Photo by Harriet Seltzer, from "The Nature of New York City."

HERE AND THERE

ANTHROPOLOGY: Paul Beelitz, collections registrar, received the Alumni Citation Award from Montclair State College in New Jersey...**Todd Himstead** is a new material culture analyst...**John Hyslop** is a new scientific assistant...**Melpomene Yale** joined as the new collections conservation assistant.

ADMISSIONS CONTROL: William Freudenberg is a new part-time cash analyst.

BUILDING SERVICES: Paul Finney was promoted from Museum attendant guard to senior Museum attendant guard...**Thondup Andruksang** is welcomed as Museum attendant guard.

CONSTRUCTION: Sharon Smith is the new secretary.

DEVELOPMENT AND PUBLIC AFFAIRS: Cindy Gould joined as development associate...**T'shawn Isler** is a new secretary.

EDUCATION: Elaine Charnov is a new special programs assistant...**Anne Handley** joined as secretary.

ENTOMOLOGY: Angela Muriel is a new part-time curatorial assistant.

EXHIBITION AND GRAPHICS: J. Willard Whitson, exhibit designer, Mark Gostnell, preparator and Gerhard Schalan-zky, senior principal preparator, designed, fabricated and installed a 14-foot high foamboard representation of a *Tyrannosaurus rex* at the Legislative Office Building in Albany. The display was produced at the request of State Senator David Paterson to commemorate the Museum's 120th anniversary...**Lauriston Marshall**, coordinator of Special Exhibitions, travelled to Albuquerque, New Mexico recently for the opening of "Carthage: A Mosaic of Ancient Tunisia" at the Albuquerque Museum. He also met with Jonathan Callender, Director of the New Mexico Museum of Natural History, to discuss "From the Land of Dragons", which will open there in the spring of 1990...The Department of Exhibition held a one-day workshop on exhibits in April. The workshop was cosponsored by the National Association for Museum Exhibition, the Smithsonian Institution and the Peabody Museum of Natural History at Yale University...**Deborah Joanne**, **Kevin McAllister**, **Brian Morrissey**, **Joanne Onorato** and **Andrea Raphael** were promoted from intern preparators to preparators...Welcomed are **Jacquie Srygley** as secretary, **Paul Shpuntoff** as Museum technician, **Alan Walker** and **Vineta Sylvester** as preparators, and **Eddie Manner** as intern preparator.

INVERTEBRATES: Kathleen Sarg is a new curatorial assistant.

LIBRARY SERVICES: Nina Root, chairwoman, gave a tour of the Rare Book Collection to members of the Cosmopolitan Club in April...**Shing-Jung Chiu** is the new cataloging librarian...**Sandra McNeill** and **George Varas** have joined as part-time library assistants.

MAINTENANCE: William Vega is a new Museum maintainer.

MAMMALOGY: Jason Fries joined as part-time curatorial assistant.

MINERAL SCIENCES: George Harlow, chairman, attended the Tucson Gem and Mineral show in February...**Martin Prinz**, curator, **Michael Weisberg**, scientific assistant, and **Craig Johnson**, postdoctoral fellow, participated in the 20th Lunar and Planetary Science Conference at the Johnson Space Center, Houston, in March.

MUSEUM SHOP: Eve Behar, Linda West and Bart Wildman are welcomed as part-time sales assistants...**Robert Belfry** is a new full-time sales assistant...**William Leonard** is a new part-time clerk typist...**Karyn London** joined as part-time supervisor.

NATURAL HISTORY MAGAZINE: Jeanne Andrews is the new fulfillment coordinator...**Virginia Lawrence** is a new researcher...**Helice Koffler** joined as part-time secretary...**Melania Levitsky** is a new part-time membership program assistant.

ORNITHOLOGY: Lester Short, curator, and his wife and colleague, Jennifer Horne, were guests of the University of Uppsala, Sweden, March 12 to 17, for a conference on the conservation problems of woodpeckers. Dr. Short gave the keynote lecture, "Woodpeckers of the World: Perspectives on Conservation"...**Angela Averitt** joined the department as secretary.

PLANETARIUM: William Maldonado is a new part-time sales assistant.

PURCHASING: Jeffrey L. Maer, purchasing manager, will serve on the Board of Directors of the Purchasing Management Association of New York...**Wynnie-Fred Victor** is welcomed as secretary.

VOLUNTEERS: President and Mrs. Langdon hosted a reception in April honoring Museum volunteers...Volunteers wore red 'V's' April 9 to 15 in honor of National Volunteer Week...**Alvin Sobkowiak** is the new secretary...**David Aboff**, a volunteer in the Membership Office since 1983, died in April.

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American
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JULY/AUGUST 1989

Vol. 46, No. 4

DEAN OF SCIENCE AND SENIOR VICE PRESIDENT NAMED

Two new appointments were announced this month by President George D. Langdon, Jr., completing the new managerial structure for the Museum.

Michael J. Novacek, chairman of the Department of Vertebrate Paleontology, was named to the new position of vice president and dean of science. David Estridge, who has served as vice president for development and public affairs at Boston Children's Hospital, was named senior vice president for Development and Public Affairs.

Dr. Novacek began his new duties on July 15. Mr. Estridge will join the Museum this fall.

In his new post, Dr. Novacek will provide leadership to the curatorial staff, and will advise the president on all matters dealing with the direction of scientific research at the Museum.

He will continue to carry out research on the evolution, fossil history and the relationships of placental mammals, and will retain the title of curator in the Department of Vertebrate Paleontology.

With support from the Sloan Foundation, Dr. Novacek is

coorganizing a symposium on the molecular and morphological evidence for mammalian phylogeny, to be held at the Museum next June.

Dr. Novacek first worked at the American Museum in 1979-1980 as a National Science Foundation National Needs Postdoctoral Fellow. He was appointed to the Museum as an assistant curator in 1982, became chairman of Vertebrate Paleontology in 1983, and was promoted to associate curator in 1985.

He earned his Ph.D. in paleontology from the University of California, Berkeley. From 1977 to 1979, he served as an assistant professor of zoology at San Diego State University. In 1979, he was promoted to associate professor.

At Children's Hospital, Mr. Estridge created and directed a fund raising program that tripled philanthropic contributions, raising approximately \$57 million.

During his 11-year tenure at the hospital, he established national award-winning public affairs programs. He also created and produced three books on pediatric health care issues: "The New Child Health Encyclopedia" (Delacorte, 1987); "Parents Guide to Nutrition" (Addison Wesley, 1987), and "What Teenagers Want to Know About Sex" (Little Brown, 1988).

Mr. Estridge is a graduate of the University of Connecticut.

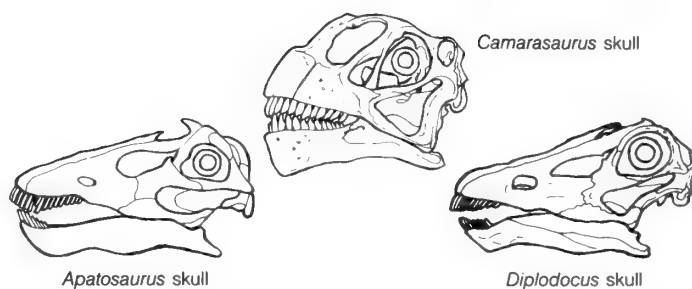
PUZZLING APATOSAURUS PATE PERPLEXES PALEONTOLOGISTS

In February of 1905, the Museum mounted the largest fossil skeleton that had ever been displayed. It was the 66-foot long dinosaur, *Brontosaurus* (now called *Apatosaurus*), which stands in the Hall of Early Dinosaurs. There was just one problem: when the skeleton was discovered it had no skull. The Museum made the best possible guess as to what an *Apatosaurus* skull looked like, and a plaster model was put on the mount.

While no *Apatosaurus* skeleton has ever been found with a skull attached, today we have a clearer picture of what the head of the dinosaur may have been like.

To explain the process of solving the *Apatosaurus* puzzle, the Museum is displaying the exhibit, "The Skull of *Apatosaurus*: A Case of Mistaken Identity?" It is an Arthur Ross exhibit of the month. It opened on Aug. 15 in the Roosevelt Memorial Hall, and will later be on permanent display on the platform at the foot of the *Apatosaurus*.

Current evolutionary research shows that dinosaurs like *Apatosaurus* are divided into two groups, the *Camarasaurus* group and the *Diplodocus* group. The plaster skull on the Museum's dinosaur is similar to that of a *Camarasaurus*; it is thick and blocky. But the current belief is that *Apatosaurus*



was more closely related to *Diplodocus*, and would have had the long and slender skull typical of that animal.

The theory is supported by fossil evidence. In 1915, a *Diplodocus*-like skull was found next to two *Apatosaurus* skeletons at a quarry near Jensen, Utah. Because a headless *Diplodocus* was also found at the site, scientists cannot be 100 percent certain the skull is from *Apatosaurus*. However, the combination of the fossil evidence and recent evolutionary research makes a good case for the revised skull.

No changes have been made in the Museum exhibit since the *Apatosaurus* skeleton on display is so fragile that replacing the skull could cause serious damage.

It is interesting to note that "*Apatosaurus*" means deceptive lizard. In view of its history, the name turned out to be more appropriate than anyone could have known.

IDENTIFICATION DAY AT THE MUSEUM: MANY MYSTERIES ARE SOLVED



Michael Weisberg, scientific assistant, (left) gives information to an ardent rock hound.

I.D. Day visitors, anxious to learn the nature of their own discoveries, flocked to the Museum on June 17, for the Education Department's annual show and tell. Nearly 450 visitors were on hand in the Charles A. Dana Education Wing for Identification Day.

Among the visitors were two lucky people who had in their possession dinosaur bones from Montana and Alberta. Another museumgoer brought in a 100-million-year-old fossil fish from Brazil.

Scientific assistant in Mineral Sciences, Michael Weisberg identified various pieces of crystal from the New York metropolitan area and furnace slag, which a group of visitors thought was a piece of a meteorite.

A cow's shoulder blade found on Long Island was identified by Jean M. Augustin, senior museum technician in the Department of Mammalogy. Ceremonial carvings from the

Dominican Republic were identified by Paul M. Beelitz, associate registrar and Anibal Rodriguez, Museum technician, both of the Anthropology Department.

Sidney S. Horenstein, senior scientific assistant in the Department of Invertebrates and the originator of I.D. Day, talked fossils and compared our collection with those of I.D. Day visitors.

Walter E. Sage, scientific assistant in Invertebrates identified fragments of deep water coral found off the Long Island shore, and shells from the New York area.

David E. Brody, senior scientific assistant in Entomology, brought the Museum's outstanding collection of exotic insects from around the world, and delighted visitors with his live California king snake and tarantula.

The program was organized by Nathaniel Johnson, special programming coordinator in Education.

JAMES C. GREENWAY, RESEARCH ASSOCIATE, DIES AT 86

The Museum was greatly saddened to learn of the death of James C. Greenway, Jr., on Saturday, June 10, in Greenwich, Connecticut. He was 86 years old.

Mr. Greenway had been a Trustee of the Museum in the early 1960s and a research associate in the Department of Ornithology since 1962. At the time of his death, he was compiling a list of the type specimens of birds held in the Department.

Prior to his association with the Museum, Mr. Greenway had been curator of birds at the Museum of Comparative Zoology, Harvard University. He is perhaps best known for his book, "Extinct and Vanishing Birds of the World," first published in 1958. He was also an expert on the birds of southeast Asia and the Pacific.

He traveled to southeast Asia with the late research associate Jean Delacour in the late 1920s and 1930s, and his last field expedition was to New Caledonia in 1978 with the late Museum President Gardner D. Stout, and Francois Vuilleumier, chairman and curator in the Department of Ornithology.

NEWS FROM BOARD OF TRUSTEES

Three new members were elected to the Board of Trustees at the Wednesday, June 12 meeting. They are Samuel Butler, presiding partner at Cravath, Swaine & Moore attorneys, Deborah Kessler, formerly at Citibank and Peter Solomon, chairman of the investment banking firm, P.J.S. Company, and former Deputy Mayor of Economic Policy and Development for the City of New York. All are members of the class of 1993.

They join a Board of Trustees composed of 60 members: 54 elective trustees and six ex officio trustees. There are six standing Committees of the Board, the Officers Committee, the Planning Committee, the Nominating Committee, the Audit Committee, the Investment Committee and the Budget and Finance Committee, which divide the activities of guiding Museum policy and assuming fiduciary responsibility for the institution.

Mr. Butler is director of Ashland Oil, Inc., United States Trust

Company of New York and Geico Corporation. He has been a member of the board of trustees of The New York Public Library since 1978, and vice president of the Culver Educational Foundation since 1985. He was a member of the board of overseers of Harvard College from 1982 through 1988 and president of the board from 1986 through 1988.

Mrs. Kessler has been involved in a number of corporate and civic projects as well as having had her own real estate business and having been a nationally-ranked professional platform tennis player. She received her B.A. from Smith College.

Mr. Solomon joined Lehman Brothers in 1963, and from 1971 to 1978 was a partner of Shearson Lehman Brothers. He was the Councilor to the United States Department of the Treasury under President Carter, 1980 through 1984. He is Director of Culbro Corporation, Century Communications Corporation, Edison Brothers Stores, Inc., Phillips—Van Heusen Corporation, Monro Muffler / Brake, Inc. and Chief Automotive Systems, Inc..

LIBRARY INSTALLS NEW CONSERVATION LAB TO TREAT MUSEUM MATERIALS



Barbara Rhodes, conservation manager, uses the Parylene 1050 coater to treat library materials.

An often invisible part of the work in the Library centers on conservation. These efforts received a giant boost with the completion in early April of a new conservation laboratory funded by a grant from the Howard Phipps Foundation.

Nina Root, chairwoman, and Barbara Rhodes, conservation manager, developed facilities devoted to the preservation of the materials in the Library's collection, some of which are very rare and delicate.

The new equipment includes drying racks, a new microscope and fiberoptic illuminator, a fume hood for use when working with solvents, and an extremely sensitive water filtering system to provide pure water for washing paper.

A particularly exciting addition to the lab is the Parylene 1050 coater, an experimental machine loaned to the Library by the Nova Tran corporation, a subsidiary of Union Carbide.

The parylene coater covers fragile materials with an extremely thin layer of the polymer, parylene. This invisible layer greatly strengthens the object coated; a paper towel treated with parylene can be soaked in water for months without any ill effects, and a well-coated sugar cube will not

disintegrate in a cup of hot water.

The first materials from the collection to be treated were Navaho language newspapers that were so deteriorated they were unusable. Following parylene treatment they are strong enough to be handled with less risk of damage.

Use of the machine is not limited to coating Library materials. Other departments in the Museum will also be experimenting to discover its capabilities; one possibility is use in the preservation of leaf and grass specimens within dioramas. At the end of the 18-month loan, the Museum will publish the results of the research on the parylene coater.

TRADITIONAL SAUDI ARABIAN FASHION

The black wool *thawb*, pictured right, with its distinctive silk appliqued bands and multicolored embroidery, is one of 30 complete costumes in "Palms and Pomegranates: Traditional Dress of Saudi Arabia," an exhibition of rare and stunning Saudi Arabian clothing ensembles. A *thawb* is an ankle-length, loose-fitting, long-sleeved garment which is the basic element of clothing for men and women in Saudi Arabia. The elaborately embroidered back panel of the Bani Tamim tribal costume shows stylized pomegranates which, along with palms, are traditional embroidery motifs in Central Arabia. Four distinct regions of Saudi Arabia and their



clothing are represented in the exhibition: the central plain, or Najd, the Eastern Province, the Hijaz and the Asir. The exhibition opened in Gallery 77 on Friday, July 28, and will continue through Sunday, Oct. 29. It was organized by the U.S. Committee for Saudi Arabian Cultural Heritage and is made possible by funds from the Royal Embassy of Saudi Arabia and a consortium of 35 American corporations.

IMAX TO THE MAX



Expert rock climber, Tony Yaniro, at the end of his ascent in the new Naturemax film, "To The Limit."

"To The Limit," the Museum's newest IMAX offering, opened in the Naturemax Theater on July 7. The motion picture thrills audiences with a downhill ski race at 60 miles per hour, a perilous mountain climb and dancing performed by a member of Moscow's Bolshoi Ballet.

Three special camera mounts were designed to film the dizzying downhill ski race sequence. And to film the vertigo-producing mountain climbing sequences, the producer, Greg MacGillivray, hired an expert mountain climber who was also a skilled cameraman.

To show the internal changes of the body as it reacts to strenuous physical activity, an endoscopic (inner body) lens was created to film the delicate muscles of the heart's chambers pumping blood, and to follow the movement of the red blood cells in the lungs as they collect oxygen.

A special super high-speed IMAX camera was developed to reveal the movements of the ballerina. The high-speed camera shoots 100 giant IMAX film frames per second, slowing motion by four times.

HERE AND THERE

ADMISSIONS CONTROL: **Belinda Howard** was promoted from part-time supervisor to assistant manager. **Carmen Caceda** is a new part-time supervisor.

ANTHROPOLOGY: **Kristen Mable, John Hansen** and **Jane Williams** have joined as collection conservation assistants.

BUILDING SERVICES: **John Thomas** is a new assistant manager. **Lilia Bernechea, Tony Baranoski** and **John Arcuri** were promoted from Museum attendant guards to senior Museum attendant guards. **George Ehrlich, Maria Olmos, Patrick Glennon, David Preston, James Donohue, Joe Mercado, Nathaniel Simmons** and **Signett Hewitt** are welcomed as Museum attendant guards.

CONSTRUCTION: **William Seplesky, Romeo Mangohig** and **David Ochoa** are new Museum maintainers.

DEVELOPMENT AND PUBLIC AFFAIRS: **Elda A. Luisi** joined as development assistant. **Marilyn Nourse** is welcomed as guest services assistant.

EDUCATION: **Karen Lund** was promoted to senior secretary. **David Falkner** is a new Museum instructor.

ENTOMOLOGY: **David Grimaldi**, assistant curator, was granted tenure. **Colin A. Burrell, Susan Leiter, Jane Mason** and **Leigh O'Connor** are new part-time curatorial assistants. **Mary Eickwort** is a new collections conservation assistant. **Julian Stark** joined as scientific assistant. **James S. Miller** is a new curatorial fellow.

EXHIBITION: **Deborah Barral** and **Mark Floyd** were promoted from intern preparators to preparators. **David McCormack** is a new intern preparator. **Stephen Quinn**, assistant manager, and his wife Linda, became parents of a son, Thomas Patrick, June 26.

GENERAL SERVICES: **Denis Finnin** is the new assistant manager of the Photography Studio.

HERPETOLOGY AND ICHTHYOLOGY: **C. Lavett Smith**, curator, and **James Tyler**, research associate, collected larval and juvenile fish in the Johnson Sea link in the Windward Island in May. **Michael W. Klemens**, senior scientific assistant, has returned from academic leave in England where he worked on his doctoral thesis. **George W. Foley**, senior Museum technician, has retired.

LIBRARY SERVICES: **Nina Root**, chairwoman, and **Valerie Wheat**, assistant librarian for reference services, attended the annual meeting of the Society for the History of Natural History held in London. **Andrea LaSala**, special collections librarian, attended "Fast Rewind: The Archeology of Moving Images" conference sponsored by the Rochester Institute of Technology. **Barbara Rhodes**, conservation manager, spoke on the "Preservation of Books and Manuscripts on Exhibit" at a Metropolitan Museum of Art workshop. **John Fakler** and **Sandra McNeil** are new part-time Library assistants. **Frances Nicosia** is the new secretary.

MAINTENANCE: **Cliff Richardson** was promoted from assistant Museum maintainer to Museum maintainer. **Ernest Shahamad** is a new Museum maintainer. **George Castro** joined as assistant Museum maintainer. **Oliver Franklin** is a new cleaning supervisor.

MEMBERSHIP: **Marsha Selikoff** joined as part-time office assistant. **James Moore** is a new part-time desk assistant.

MINERAL SCIENCES: **Robert Hutchinson** and **Richard Kruzansky** have joined as part-time curatorial assistants.

MUSEUM SHOP: **Ilene V. Evans** is a new buyer. **Hayden O'Rear** is a new sales assistant. **Sherri Blyden, Olga Leon**

and **Ronnie Calhoun** are part-time sales assistants. **Max Estenger** is a new senior clerk. **Atul J. Modh** is a new part-time cash analyst.

NATURAL HISTORY MAGAZINE: **Scarlett Lovell** is the new manager of Special Publications. **William K. Fiske** joined as manuscript processor. **Donna Hecht** is welcomed as advertising production coordinator.

OFFICE OF THE PRESIDENT: **Kelly Swift** has been promoted from administrative secretary to secretary to the special assistant to the president.

ORNITHOLOGY: **Francois Vuilleumier**, chairman, was vice chairman of the Washington meeting of the Pan-American section of the International Council for Bird Preservation. Graduate student **Patricia Escalante**, also attended the meeting as a new member of the board of the Pan-American section. **W. Parker Cane**, associate, was at the British Museum to analyze European and Asian specimens of the Common Tern, an extension of his continuing work at Great Gull Island Research Station. He also gathered data for his study of ecomorphological relationships between certain West African rain forest birds. **Walter J. Bock**, research associate, was elected a corresponding member of the British Ornithologists' Union in July. **Sharon L. Coe** and **David Williams** are new part-time curatorial assistants.

PAYROLL: **Carol Burke** was promoted from records assistant to benefits associate.

PERSONNEL: **Susan Kroll** was promoted from personnel assistant to senior personnel assistant. **Geralyn Abinader** is new as records assistant.

PLANETARIUM: **Pamela Schwartz** joined as guest relations coordinator. **Donna Wade** joined as secretary.

PURCHASING: **Hope Sharrock** is the new secretary.

VERTEBRATE PALEONTOLOGY: **John Maisey** was promoted from associate curator to curator. **F. Walker Johnson**, a volunteer in Vertebrate Paleontology, died on July 22 at the age of 80. After retiring from Exxon in 1972, Mr. Johnson began work at the Museum on the Tertiary stratigraphy of Nebraska in relation to the Frick Collection of fossil vertebrates. Gifts in Mr. Johnson's memory may be sent to the F.W. Johnson Exxon Fund for the Osborn Library and the Department of Vertebrate Paleontology Archives. He is survived by his wife, Miriam Johnson, former Manager of Volunteer Services.

VOLUNTEERS: Information Desk volunteer **Joan Bull** received a Certificate of Merit from the New York Convention & Visitors Bureau for "outstanding representation of Big Apple hospitality". Weekend Information Desk volunteers **Elizabeth Tom** and **Philip B. Dahlsens**, generated donations to the Museum through their employers' volunteer programs. Ms. Tom's name was drawn to honor Metropolitan Life's employee volunteers during National Volunteer Week in April. Mr. Dahlen's donation from Hoffmann-La Roche came through its Volunteer Program Contribution Service.

CORRECTION: Mrs. Walter Kenworthy was misidentified as Theresa Melito in a photograph of the Quarter Century Club dinner in the last issue of Grapevine. We apologize for this error.

Grapevine



American
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NEW SPECIES OF LEMUR NAMED FOR CURATOR IAN TATTERSALL

An extremely rare new species of lemur has been named for its discoverer, Ian Tattersall, curator in the Department of Anthropology. Researchers at Duke University confirmed that the animal, first seen by Dr. Tattersall in a remote forest in northern Madagascar, belongs to a distinct group.

The new species, *Propithecus tattersalli*, will be known in common parlance as Tattersall's Sifaka, or the Golden Crowned Sifaka. Sifaka is a Malagasy term derived from the warning calls these lemurs emit, which sound something like *shi fak*.

Today, the discovery of any new species of mammal is considered to be remarkable, since many of the world's mammalian habitats have been thoroughly explored.

Lemurs, of which there are now perhaps 23 species and maybe twice as many variants, according to Dr. Tattersall, are

an important model for understanding our own ancestry.

When Dr. Tattersall first saw and photographed the Golden Crowned Sifaka in the trees in the Beankavy Forest near Daraina, Madagascar, he provisionally classified it as a new variant of an established species of lemur, *P. diadema*, called Simpona by the Malagasy. However, he noted a number of characteristics in the new lemurs that were not typical of Simpona.

Dr. Tattersall first published photographs of this golden-crowned lemur in 1982, in his book, "The Primates of Madagascar" (Columbia University Press). For some time, unable to return to Madagascar, he was not able to follow up on his finding.

Wildlife in the Beankavy Forest was already endangered by the cutting and burning of trees to clear land for cattle grazing. In 1986, Dr. Tattersall's colleagues at Duke learned that the forest would further be imperiled by an impending contract to cut it for the production of charcoal.

"This was a good reason to remove some of these lemurs to a captive breeding facility," Dr. Tattersall said.

In late 1987, following Dr. Tattersall's advice about where to look, fellow anthropologist Elwyn L. Simons of the Primate Center at Duke University in Durham, N.C., brought four of these lemurs—two males and two females—back to Duke for study, and contacted Dr. Tattersall, who examined them in captivity and concluded that they belonged to a new species.

Research into the behavior of Tattersall's Sifaka continues at Duke's Primate Center. The new species is also being studied by researchers at the Beankavy Forest, where Dr. Tattersall also plans to return.

A seasoned field researcher, Dr. Tattersall's investigation of the natural history of lemurs began in 1969, when, as a graduate student of Dr. Simons at Yale, he went to Madagascar to study lemur fossils and developed an abiding interest in the living animals.

THE WHITNEY WING: IT'S FOR THE BIRDS

A celebration commemorating the golden anniversary of the Whitney Wing, with a variety of special programs and exhibitions, is being held in October. The Department of Ornithology, the Department of Exhibition and Graphics, the Education Department, the Library, and the Offices of Membership, Development and Volunteers, are staging the celebration.

The Museum's Whitney Wing, the largest ornithological facility in the world, opened its doors 50 years ago. It is home to the Museum's extensive ornithological collection, numbering

(continued on page 2)



Tattersall's Sifaka

related to the primates that flourished in the Eocene, around 58 to 36 million years ago.

Even though they evolved along several lineages separate from those that led to monkeys, apes and humans, lemurs are

WHITNEY (continued from page 1)

nearly one million specimens.

A commemorative symposium was led the evening of Wednesday, Oct. 18, by Ernst Mayr, curator emeritus in the Museum's Department of Ornithology, and Jared Diamond, research associate in the Department of Ornithology.

Four exhibitions are also being presented to commemorate the anniversary. "Oceanic Birds of South America," with 15 large oil paintings by Francis Lee Jaques is on view in the Akeley Gallery through Jan. 31. Mr. Jaques painted the



A Masked Booby is captured on film by Rollo H. Beck, Whitney South Sea Expedition leader.

background murals and the sky dome in the Whitney Hall of Oceanic Birds.

In a demonstration entitled, "Bringing Art to Life: How the Whitney Dioramas Were Made," volunteers and preparators showed how such an exhibit is constructed.

"A New Wing for Birds: 50th Anniversary of the Whitney Building," recorded the construction of the building and the dioramas in the Hall of Oceanic Birds, and describes ornithological research.

An exhibition of photographs from the Whitney South Sea Expedition and a rare book exhibit featuring Lord Walter Rothschild's "Extinct Birds" is on view until Jan. 31 in the Library Gallery.

Construction of the eight-story Whitney Building followed a period of unequalled growth of the Museum's ornithological collections. An expedition to the South Seas, a donation by Trustee Leonard C. Sanford of his bird collection, and the purchase of the Rothschild Collection had doubled the holdings of the Ornithology Department.

The building was a gift from then Trustee Harry Payne Whitney in honor of his father, William C. Whitney, with matching funds from the City of New York. Harry Payne Whitney's son, Cornelius "Sonny" Vanderbilt Whitney, was also a Trustee of the American Museum and donated two exhibits in the hall.

The centerpiece of the building, the Whitney Memorial Hall of Oceanic Birds, represents the Pacific Ocean reduced to small scale. Visitors enter at the southern end of the Pacific, near Antarctica, and are led by its layout to the northern habitats.

The Rothschild Collection, totaling 280,000 specimens,

TEN MUSEUM GRANT RECIPIENTS CHOOSE TO WORK AT SOUTHWESTERN RESEARCH STATION

Ten scientists, graduate students and post-doctoral students received grants from the Museum this year to further their field studies at the Southwestern Research Station.

Five were awarded grants from the Theodore Roosevelt Memorial Fund; two investigators received grants from the Frank M. Chapman Memorial Fund, and three were awarded Southwestern Research Station Student Research Grants. The SWRS Student Research Grants to support young scientists at the Station were begun this year. The program has been made possible by contributions to the SWRS Student Support Fund from naturalist guests and scientists who have recently visited the Station.

The Southwestern Research Station, located near Portal, Arizona, has one of the most ecologically diverse environments in the United States. Because the Station is located at an elevation of 5,400 feet in the Chiricahua Mountains, it provides access to five distinct Life-zones (ecological groupings of plants and animals).

Recipients of grants from the Theodore Roosevelt Memorial Fund were Bryan Danforth (University of Kansas), for studies of male mating behavior in *Perdita* bees; Ken Helms (Arizona State University), for research on factors determining production of males and females in colonies of ants; Ellen Zimmerli (Hunter College), for studies of raiding behavior in slave-making ants; Stefan Cover (Harvard University), for research on the systematics of ants, and Eric Brewster (City College, CUNY), for studies of velvet ants.

The Southwestern Research Station Student Research Grant recipients were Erick Greene, (University of California, Davis), for his studies on three species of Titmice, and the polymorphic development of caterpillars living on oaks; Randall Morrison (University of Kansas), for analyzing the structure of cells causing blue belly color in spring lizards, and Jennie Larkin (University of Washington), for research on why northern poor-wills migrate and southern poor-wills hibernate.

The Frank M. Chapman Memorial Fund awarded grants to Donald R. Powers (University of California, Davis), for his studies comparing metabolic rates of blue-throated hummingbirds with black-chinned hummingbirds, and to Thomas Gumbart, (Utah State University), for his research on factors limiting the numbers of young that a yellow-eyed junco can raise.

represents a substantial portion of the Museum's ornithological collection. The Rothschild Collection was purchased by the Museum from Lord Walter Rothschild in 1932 with funds donated by Gertrude Vanderbilt Whitney and her children, in memory of Harry Payne Whitney. It is one of the largest ornithological collections ever assembled by one individual.

The Whitney South Sea Expedition crisscrossed the Pacific, visiting Micronesia, Polynesia and Melanesia. Nearly 1,000 Pacific islands were surveyed, including large areas of New Guinea and New Zealand.

The expedition is unusual in the history of scientific exploration in both duration and scope. It resulted in the most comprehensive survey ever made of birds from so large an area. Among the results of the expedition were 66 published papers, while the collection itself has since served as the basis for hundreds of others.

TWO LEADING MUSEUM FIGURES, A BIOLOGIST AND AN EDUCATOR, MOURNED

Horace Wesley Stunkard, renowned parasitologist and former American Museum research associate, died Sept. 10, in Falmouth, Mass. He was 100.

Paul Sanfacon, senior Museum instructor in the Department of Education, died at New York University Hospital on Aug. 29. He was 49.

Dr. Stunkard was born in Monmouth, Iowa. For nearly seven decades he studied a variety of flukes and tapeworms infecting animals and humans. His career was marked by nearly 300 publications, numerous honors and awards, and discoveries that have greatly improved human health and animal welfare.

From 1916 until 1954, Dr. Stunkard was instructor, professor and then head of the department of biology at NYU.

Concurrent with his professorship at NYU, Dr. Stunkard became a research associate in the Department of Invertebrates at the Museum in 1921. In 1956, shortly after his retirement from NYU, he was given his own laboratory here, in which, as recently as 1986, he spent 18 hours a week. His latest work appeared in the October, 1988, issue of *The Journal of Parasitology*.

Dr. Stunkard also headed several scientific societies, serving as president of the American Microscopical Society in 1936, the American Society of Parasitologists in 1939, and the New York Academy of Sciences in 1937, 1942 and 1943.

Among his many awards, he took the most pride in the Gold Medal for Distinguished Achievement in Science, given to him by the Museum in 1971. The award of greatest distinction was the Rudolf Leuckart Medal, given to him by the Deutsche Gesellschaft für Parasitologie in 1974.

His most important work included identifying in 1937—the grass-dwelling oribatid mite as the intermediate host of the tapeworm *Moniezia expansa*, a finding that saved the sheep industry worldwide.

Dr. Stunkard's wife, Frances Klank Stunkard, died in 1968. He is survived by a daughter, Eunice Stunkard Latham, of the Bronx, and a son, Dr. Albert J. Stunkard, of Philadelphia.

Mr. Sanfacon joined the Education Department two decades ago, in 1969. He held a master's degree from New York University in social anthropology, middle eastern culture and comparative religion. His special area of expertise was the culture of Morocco.

He taught all age groups during his tenure at the Museum, from 3rd graders to the teachers who instruct them. In recent years his primary duty was teaching college-accredited courses for teachers. He also participated regularly in the Education Department's evening lecture series.

Mr. Sanfacon grew up in Grand Isle, Maine, a small town on the U.S.-Canadian border. The area is an enclave of French culture, with a 99 percent French speaking population, and Mr. Sanfacon felt a deep pride in his heritage. He served a three-year tour of duty in the Army.

"He brought a joy for teaching and a level of fine scholarship to all his work, and enriched the Museum and its visitors," said Malcolm J. Arth, chairman of the Education Department. "His death is sorely felt throughout the Museum."

Mr. Sanfacon is survived by his parents, Mr. and Mrs. Peter C. Sanfacon, and by seven brothers and two sisters.

ROY CHAPMAN ANDREWS RIDES AGAIN

For those who have wished they could have been present when Roy Chapman Andrews made his revolutionary discoveries in Mongolia, it is now possible to make the voyage vicariously by way of videotape.

Nina J. Root, chairwoman of the Library, and Hal Bernard, a volunteer, created a 19-minute videotape presentation of the original footage shot during the Central Asiatic Expedition of 1921-1930. It is entitled "To The Ends of the Earth" and will premiere at the Margaret Mead Film Festival in December.

Andrews brought back a significant trove of fossil vertebrates from Mongolia and the first dinosaur eggs ever found. The team encountered armed bandits and violent sandstorms while excavating, and during the rest of the year lived in lavish style in Peking.

James B. Shakelford, a Hollywood cinematographer, was on the expedition and documented the years of travel and fieldwork. Nearly 50,000 feet of film were shot, of which only 3,700 feet remain. Nearly all the extant film was used for the video.

After the expedition was completed, Andrews cut the full-length film into short segments, each documenting a different aspect of the journey. Andrews used these shorts in his lectures to raise funds for his future activities. Until the new video was produced, the disjointed sequences were the only film record of the expedition.

Ms. Root who has a long-standing interest in Andrews, was further inspired by a Museum trip to Mongolia in 1982. On her travels, she recognized sites that Andrews visited on his expedition, and became determined to piece together the



Roy Chapman Andrews, left, and paleontologist Walter Granger excavate dinosaur eggs in 1920s Mongolia.

footage of the Central Asiatic Expedition.

The first steps in producing the tape were to view all the versions of the existing film, which had been transferred to safety film in the 1970s, to write a treatment and then transfer the film to videotape. Next, to edit the videotapes and write a

(continued on page 4)

ANDREWS (continued from page 3)

script, Ms. Root conducted extensive research into Andrews' life, work and writings.

The project would not have been possible without the expertise of the volunteer, Mr. Bernard, a semi-retired film editor. He drew on his 30 years of experience making commercials and documentaries to direct and edit the video. Mr. Bernard has plans to work on other Museum film projects in the future.

Thomas D. Nicholson, then director of the Museum, and Marie Lawrence, senior scientific assistant, were chosen to narrate the tape, Dr. Nicholson provided the voice of Andrews, while Ms. Lawrence read the narration.

Ms. Root says "Of all the projects I have worked on at the Museum, 'To The Ends of the Earth' has been one of the most gratifying." But as far as she is concerned, the acid test for the video was the enthusiastic reaction of Andrews' son, George.

HERE AND THERE

ANTHROPOLOGY: Tom Miller was promoted from senior secretary to scientific assistant.

BUILDING SERVICES: Gladys Aviles and Luis Padin were promoted from Museum attendant guards to senior Museum attendant guards...Raul Santiago, Sammie Miller and Christopher Rogers have joined as Museum attendant guards.

EDUCATION: Malcolm Arth, chairman, attended the Yamagata Film Festival in Japan...Ann Prewitt was promoted from Museum instructor to senior Museum instructor...Ismael Calderon, coordinator of Community Programming, attended a meeting at the Woods Hole Oceanographic Institute concerning the Jason Project, an interactive broadcasting project to teach students about underwater exploration...Harris Dollinger is a new Museum instructor...Nora Steele, assistant coordinator, married Keith Sheppard on Aug. 5.

ENTOMOLOGY: Norman I. Platnick, chairman and curator, attended the 11th International Congress of Arachnology in Turku, Finland...Mary K. Eickwort and Sule Oygur Fischl joined as collections conservation assistants...Lori Adams is a new part-time curatorial assistant...Three employees in the department recently became parents: Eric Quinter, scientific assistant, and his wife Janice, formerly of the Department of Vertebrate Paleontology, are the parents of a son, Eric, born Sept. 2...David A. Grimaldi, assistant curator, and his wife also became parents on Sept. 2, with the birth of a daughter, Rebecca Sarah...Randall T. Schuh, curator, and his wife, Brenda Massie, recently adopted a baby girl, Ella.

EXHIBITION AND GRAPHICS: Eugene B. Bergmann, senior exhibit designer, was in Chicago, Seattle and British Columbia to observe exhibition techniques, artifacts and sites of Northwest Coast art as research for the design of the future exhibition on the Kwakiutl Indian potlatch...Cathy Leone was promoted from secretary to intern preparator...Alec Madoff was promoted from senior preparator to principal preparator...

Audrey E. Jakab and Gary Pratico are welcomed as intern preparators...Munirah Alatas-Bacic joined as administrative secretary...Clifford Kamida is a new secretary...Stacy Alyn Marcus is a new part-time exhibition assistant.

GENERAL SERVICES: Michael Valentine has joined as general services assistant.

GUEST SERVICES: Amy Rudnick was promoted from Guest Services associate to assistant manager of Guest Services...Marilyn Nourse was promoted from Guest Services assistant to Guest Services associate...Dana Friedman is the new secretary.

HERPETOLOGY AND ICHTHYOLOGY: Gareth Nelson, chairman, and Barbara Brown, collections registrar, recently attended the annual Dauphin Island Fishing Rodeo to collect skeletons...Miss Brown was promoted from scientific assistant to collections registrar...Maureen Donnelly, research fellow, taught an eight-week graduate field course in Costa Rica this summer. The course was sponsored by the Organization for Tropical Studies...Evan P. Kierstead is welcomed as secretary.

LIBRARY SERVICES: Nina J. Root, chairwoman, Valerie Wheat, assistant librarian for reference services, and Martin Shapiro, senior reference librarian, attended the American Library Association conference in Dallas...Barbara Rhodes, conservation manager, attended master bookbinding classes in Bristol, England, in August...Victor Morales, senior clerk, was named a finalist in the McDonald's National Hispanic Playwrights Competition...Barbara Maddox is welcomed as Library assistant for inter-library loans.

MAINTENANCE: Ana Tinoco, Theodore Hewitt and Tak Chuen Chan were promoted from Museum attendant guards to senior Museum attendant guards.

MAMMALOGY: Lourdiny Exume, Jr., is a new part-time curatorial assistant.

MEMBERSHIP: Edith Kraemer joined as part-time office assistant.

MICROPALEONTOLOGY PRESS: Sheila McCormick is the new secretary.

MUSEUM SHOP: Ernesto M. Abreau, Otis J. Bruce, David Allen Igou, Paul Ken-Ming Sung, Keith Jabbar Halliburton, Leticia R. Benson and Antonio Martinez are welcomed as part-time sales assistants...Fannie Agri is a new part-time supervisor.

NATURAL HISTORY MAGAZINE: Vittorio Maestro was promoted from associate editor to senior editor...Lisa Stillman joined as assistant production manager...Olga Wickerhauser joined as senior editor...Elizabeth Streeter is special publications assistant...Victor Balaban is a new editorial assistant...Laura Reed is welcomed as secretary.

ORNITHOLOGY: George F. Barrowclough, associate curator, lectured at a symposium in Stockholm honoring the 250th anniversary of the founding of the Naturhistoriska Riksmuseet (Natural History Museum)...Dr. Barrowclough, research associates Walter J. Bock and Robert W. Dickerman, and graduate student Patricia Escalante, presented papers at the 107th meeting of the American Ornithologists Union, in Pittsburgh...Mary LeCroy, senior scientific assistant, and Allison Andors, scientific assistant, also attended the meeting...Miss LeCroy was appointed chairman of the Archives Committee of the A.O.U.

PERSONNEL: Carmen Dinescu, personnel records assistant, and her husband George, became the parents of twin boys, Eugene and Vincent, in June.

PLANETARIUM: John M. Stoke has joined as an astronomical writer and producer...Judy Galkin is the new secretary.

PUBLIC AFFAIRS: Anne J. Landry is a new public affairs associate, science writer...Mel Elberger married Helen Moskovics on Sept. 4.

SOUTHWESTERN RESEARCH STATION: Christina Swartz joined as assistant to the director.

VERTEBRATE PALEONTOLOGY: Mark Norell joined as assistant curator.

VOLUNTEERS: Mitzi Bhavnani, manager, chaired a session on volunteering in the 1990s at the annual meeting of the American Association of Museums...Regina Ryan is welcomed as secretary...Ruben Calzada is a new part-time supervisor...Elizabeth Weisz, a volunteer who worked in the Discovery Tours Office, died in July.



November / December, 1989

VOL. 46, NO. 6

17TH ANNUAL ORIGAMI HOLIDAY TREE USHERS IN HOLIDAY SEASON AT THE MUSEUM



Origami Holiday Tree

The Origami Holiday Tree was lit on Monday, Nov. 20, opening the holiday season at the Museum. President George D. Langdon, Jr., greeted hundreds of Museum employees and visitors who gathered for the ceremony. Trustee Arthur Ross also welcomed the guests, and threw the switch to illuminate the tree. The tree, an Arthur Ross Exhibit of the Month, will be on display through Sunday, Jan. 7, in the first floor Theodore Roosevelt Memorial Hall.

While the Holiday Tree is an impressive display, it offers more than a treat for the eyes; during all the hours that the tree is on view, Museum volunteers will be present to show visitors how to make origami models.

"Anyone can learn to fold paper," says Michael Shall, the Museum's volunteer origami specialist. "To see the display is wonderful, and to learn to make an ornament gives everyone the chance to be part of the Holiday Tree."

The Origami Holiday Tree, an expression of the creative aspect of origami, is decorated with 1,000 ornaments, nearly all of which are modern designs rather than traditional Japanese models.

Many of the origami models on the tree represent objects from the Museum's collections. The dinosaurs in the collection have origami counterparts on and under the tree. Beneath the tree are detailed habitats representing the four seasons executed in origami.

This year, in recognition of its proximity to the Hall of Ocean Life on the first floor, a new collection of aquatic creatures will adorn the tree. The models include manta rays, barra-

cudas, anglerfish, angelfish, jellyfish and three varieties of whales.

Origami is the art of paperfolding, a tradition that originated in China more than 1,000 years ago. At that time paper was rare and it was folded into traditional forms as part of religious ceremonies. As paper became more available, origami developed into a pastime throughout China, Japan and the West.

In the U.S., origami expanded from its traditional forms. The Museum played an important role in the evolution of Origami by providing the headquarters for The Friends of the Origami Center, a nonprofit, independent educational arts organization. Mr. Shall is the founder of The Friends.

Alice Gray, scientific assistant emerita in the Department of Entomology and president emerita of The Friends, originated the Origami Holiday Tree 17 years ago. It began as a three-foot tree decorated with origami insects folded from envelope lining paper. In the intervening years tens of thousands of volunteer hours have gone into the tree—all folding and preparation done by Museum volunteers and by members of The Friends.

120th ANNIVERSARY PARTY AT GRACIE MANSION

To honor the American Museum of Natural History on its 120th anniversary, Mayor Edward I. Koch hosted an evening reception at Gracie Mansion on Oct. 11. Some 300 guests, greeted at the door by President and Mrs. George D. Langdon, Jr., and Linda Cahill, special assistant to the President, attended.

For the occasion, a huge purple banner was hung from



Mayor Koch, left, and President Langdon at the Museum's 120th anniversary ceremony in Gracie Mansion.

(continued on page 2)

BUDDING SCIENTISTS ENROLL IN SCIENCE PROGRAM AT MUSEUM

The Museum's Education Department is providing a special experience for the next generation of scientists. This year, 28 public school students from the Bronx and Harlem will participate in the Junior High School Natural Science Program, a year-long program to give young people from the inner city training in the sciences and encourage them to pursue a science career.

The current program, now in its fourth year, is based on a similar one in the late 1970s organized by Ismael Calderon, the coordinator of Community Programming in the Department of Education.

Nora Sheppard, the department's assistant coordinator for the Junior High School Science Program, is responsible for interviewing and selecting students, and developing and teaching much of the program's curriculum.

The students come to the Museum twice a week, for three-



Xavier Hernandez, student in the program, conducts experiment to determine the salinity of a water sample.

hour classes. Rather than studying solely from textbooks, the students are exposed to Museum scientists, design their own research projects and go on local fieldtrips.

When asked what he liked about the program, one of this year's students, Juan F. Paulino, explained: "We don't just read or write, we get to use the equipment at the Museum to do experiments."

The curriculum is divided into four sections: Museology; The Variety of Life; Planet Earth; and Environmental Studies. At the end of the year, students design and complete individual research projects in an area of special interest.

In each segment, time at the Museum is balanced by time in the field. For example, as part of the section on Museology, students learn how expeditions are conducted, see specimens gathered during expeditions, and view films of Museum sponsored travels. They then plan their own expedition and collect specimens.

A vital part of the program is the involvement of Museum personnel. Last year, seven people participated in the program. Marie Lawrence, senior scientific assistant in the Department of Mammalogy, introduced the students to the Mammalogy collection; Steve Quinn, assistant manager in Exhibition, taught an animal drawing course.

Joan Whelan, Interdepartmental Facilities coordinator, used the Scanning Electron Microscope to examine microscopic life, and Carol Townsend, associate in the Department of Herpetology, presented workshops on amphibians and reptiles. Joe Peters, senior scientific assistant in the Department of Mineral Sciences, explained the physical properties of minerals. Melanie Stiassny, assistant curator in the Department of Ichthyology, worked with two students to design and com-

plete a research project, as did Scott Valentine, a graduate student in the Museum's West Lab.

The Education Department tracks students after they graduate from the program and continues to encourage and advise them in pursuing science careers. One of the success stories of the program is Albert Graciosa, a student from the 1970s currently earning a degree in medicine at Temple University in Philadelphia.

The current program is supported by the Christodora Foundation, and the Samuel and May Rudin Foundation.

CHILDREN'S CHRISTMAS PARTY

The annual Christmas Party for children of Museum employees was held on the evening of Dec. 13. Hundreds of young people with their Museum families attended the festivities.

The party began in the Planetarium with a special laser light show. From there, it moved to the Hall of Ocean Life where everyone enjoyed refreshments. Santa Claus, portrayed by Alan Ternes, editor of *Natural History* magazine, gave presents to the children.

Among several special activities, children learned origami, had their faces painted and watched as clowns Silly Billy and Kathleen O'Regan twisted balloons into strange shapes.

Ernestine Weindorf, assistant to the publisher of *Natural History* magazine, and Jean Augustin, senior technician in the Department of Mammalogy, organized the Christmas Party. Photographs from the party will appear in the next issue of *Grapevine*.

ANNIVERSARY (continued from page 1)

the roof of the mayor's residence. It proclaimed: "Four billion five hundred million years of natural history at the American Museum of Natural History." An *Apatosaurus* was silhouetted on a 10-foot-long yellow banner hung from a tree facing the back terrace.

The strains of a chamber trio filled the main reception area as guests mingled, sipping champagne and enjoying hors d'oeuvres. Guests were also free to tour several rooms of the residence, which has been home to seven mayors since the 1940s.

At 6:15, Mayor Koch took the podium. He welcomed the gathering to Gracie Mansion, then praised the Museum for "its spectacular halls and collections that contribute to its priceless heritage," and said he is certain that the Museum "can face the future with fresh vigor and confidence."

Mayor Koch's speech was followed by congratulatory words from Kitty Carlisle Hart, cultural chairwoman for the State of New York, and from Mary Schmidt Campbell, commissioner of Cultural Affairs for the City of New York. Mayor Koch presented President Langdon and William Golden, chairman of the Board of Trustees, with Tiffany paperweights inscribed with the seal of the City of New York.

President Langdon gave the mayor a dinosaur T-shirt and a tie bedecked with tiny dinosaurs.

In his talk, President Langdon reflected on the wonders of the Museum. He also spoke of new goals pursued by the Museum administration, including greater involvement in ecological and environmental issues and the refurbishment of the major exhibition halls.

DINOSAURS ON STAMPS: MUSEUM IS POST OFFICE FOR A DAY

The Hall of Late Dinosaurs briefly doubled as "Museum Station," the newest post office branch office, on Oct. 2, as the Museum and the Postal Service celebrated the national issuance of the new Prehistoric Animal postage stamps.

The four stamps, designed by John Gurche, an artist who specializes in depicting prehistoric life, show the *Tyrannosaurus*, *Pteranodon*, *Stegosaurus* and *Apatosaurus*.

The celebration marked the first day the stamps were on sale throughout the country. William J. Dowling, postmaster of the New York Division, presided at the ceremony. Deborah K. Bowker, assistant postmaster general for Communications, also attended. Malcolm McKenna, Frick Curator in the Department of Vertebrate Paleontology, represented the Museum in welcoming the postal officials.

The New York Postal Service sponsored a city-wide stamp design contest for elementary and high school students in the weeks preceding the ceremony. The young contestants filled the Hall awaiting the finale of the presentation when Mr. Gurche awarded the prizes.

Each winner received a framed certificate and philatelic items. The Grand Prize winner, fourth grader Kareem Straugham, was presented with a plaster cast of a dinosaur footprint.

The Postal Service has printed more than 400 million of the dinosaur stamps, triple the number that are usually produced. They report that sales have been excellent and forecast that the dinosaur stamps will be the most popular issue of the year.



Winners of the stamp contest display their awards.

FOUR NEW MEMBERS ARE ELECTED TO THE MUSEUM BOARD OF TRUSTEES

Four new members have joined the Board of Trustees. They are, Donald K. Clifford, Jr., head of Threshold Management, Inc.; John N. Irwin, II, former ambassador to France; Helene L. Kaplan, counsel to the law firm of Webster & Sheffield, and Constance Spahn, Chairman of the Board of Down East Enterprises.

Mr. Clifford was elected to Trusteeship on Monday, Nov. 13. He worked for McKinsey & Company, the international management consulting firm, for 25 years before starting his own firm, Threshold Management, Inc., in 1984.

He is the coauthor of "The Winning Performance: How America's High-growth Midsize Companies Succeed," based on his three-year study of midsize businesses.

Mr. Clifford is an investor and founding director of Avenir Group, Inc. He is also a director of Russell Reynolds Associates, a trustee of the Northern Westchester Hospital Center and of Sarah Lawrence College, and a trustee and secretary of the Quebec Labrador Foundation.

Mr. Irwin, elected to the Museum's Board on Sept. 18, is a retired partner of the law firm of Patterson, Belknap, Webb & Tyler. He joined the law firm as a partner in 1950.

In addition to serving as ambassador to France, Mr. Irwin was deputy assistant secretary, then assistant secretary of Defense for International Security Affairs, from 1957-1961; U.S. representative for Inter-oceanic Canal Negotiations from 1965-68; the undersecretary of State from 1970-72, and deputy secretary of State, 1972-73.

Mr. Irwin is a member of the advisory board of the IBM Corporation, a board member of The Lawrenceville School and the New York Zoological Society, chairman of the board of the French-American Foundation, president of the France-

America Society, and a member of the Council on Foreign Relations.

Mrs. Kaplan was a partner in Webster & Sheffield until becoming counsel in 1985. She represents nonprofit corporations and foundations and specializes in all aspects of the law relating to not-for-profit organizations. She was elected to the Museum's Board on Nov. 13.

She is chairman of the board of trustees of Carnegie Corporation of New York and of Barnard College. She currently serves as a trustee of The John Simon Guggenheim Memorial Foundation, The Institute for Advanced Study, The MITRE Corporation, The Mount Sinai Hospital, Medical School and Medical Center, and the Neurosciences Research Foundation.

She also serves as a member of the Carnegie Commission on Science and Technology Advice to Government. From 1985 to 1987, Mrs. Kaplan was a member of Secretary of State Shultz's Advisory Committee on South Africa.

Mrs. Kaplan is a director of Chemical Banking Corporation and Chemical Bank, The May Department Stores Company, Metropolitan Life Insurance Company and Mobil Corporation.

Mrs. Spahn is member of the management committee of *Global Finance Magazine*, and is director of admissions of the Dwight School.

She is also a member of the Young Presidents' Organization, Gotham Chapter, and is a member of the Education Committee of the Museum of Modern Art.

Before being elected a Trustee on Nov. 13, she served as Comptroller Harrison J. Goldin's representative on the Museum's Board.

HERE AND THERE

ANTHROPOLOGY: **Anna C. Roosevelt**, research associate, received a National Endowment for the Humanities Resident Fellowship at the School of American Research in Santa Fe, N.M., to write a book on the prehistory of Amazonia...**Linda Nieuwenhuizen** joined as a conservation assistant.

BUILDING SERVICES: **William Anderson**, **Fred Latte** and **Adam Lunoe** are welcomed as Museum attendant guards.

CONSTRUCTION: **Steven Gialombardo** is a new Museum maintainer.

DEVELOPMENT AND PUBLIC AFFAIRS: Welcomed in Development are: **Sara Andrews** as director; **Jeff McCartney** as associate director; **Sheila Dennis** and **Ellen MacDonald** as assistant directors.

ENTOMOLOGY: **Sule Fischl** was promoted from collections conservation assistant to scientific assistant.

EXHIBITION AND GRAPHICS: **Lauriston Marshall**, coordinator of special exhibitions, was recently at the Natural History Museum of Los Angeles County for the opening of "Carthage: A Mosaic of Ancient Tunisia." He also traveled to the New Mexico Museum of Natural History in Albuquerque for the installation of "From the Land of Dragons."...**Joanne Onorato**, preparator, and her husband, Joe, are the parents of a daughter, Sophia, born on Oct. 24...**Eva Zelig** is a new exhibition coordinator...**Gina Gould** joined as exhibition assistant...**David Schaepe** is a new casting assistant...**Judith Ostrowitz** joined as part-time exhibition assistant.

GUEST SERVICES: **Amy Perle** is welcomed as Guest Services assistant.

HERPETOLOGY AND ICHTHYOLOGY: **Radford Arrindell** was promoted from curatorial assistant to scientific assistant...**Michael W. Klemens**, senior scientific assistant, presented a paper at the first World Congress of Herpetology in Canterbury...**Carlos Rodriguez** is a new doctoral student from the Dominican Republic who is studying the systematics of Antillean fishes...**Philip Damiani** is a new scientific assistant.

INVERTEBRATES: **Andrew Modell** was promoted from curatorial assistant to scientific assistant.

LIBRARY SERVICES: **Valerie Wheat**, assistant librarian for reference services, was appointed to the New York Metropolitan Reference and Research Library Agency (METRO) Reference Librarians Group. She will serve as liaison to the Public Services Committee...**Miriam Tam**, assistant librarian for technical services, attended the International Federation of Library Associations and Institutions annual convention in Paris...**Kathy Casto** is a new part-time library assistant...**Mark Taylor** is the new part-time assistant for interlibrary loans.

MAINTENANCE: **Ana Tinoco** was promoted from Museum attendant guard to senior attendant guard...**Ping Chan** is a new Museum maintainer.

MEMBERSHIP: **Nancy L. Whitaker** is a new part-time program assistant.

MINERAL SCIENCES: **Jerry McManus** is a new part-time curatorial assistant.

MUSEUM SHOP: **Linda West** was promoted from part-time sales assistant to full-time sales assistant...**Cynthia Elie**, **Daniel Rios**, **Hillary Tucker** and **Mikel Wilder** joined as part-time sales assistants...**Nandini Biswas** is a new part-time cash analyst.

NATURAL HISTORY MAGAZINE: **Lee Ewing** was pro-

moted from assistant business manager to business manager...**Florence Edelstein** was promoted from copy editor to assistant managing editor for copy...**Judy Lee** joined as circulation coordinator.

OFFICE OF THE VICE PRESIDENT AND DEAN OF SCIENCE: **Barbara Werscheck** was promoted from senior secretary in Vertebrate Paleontology to assistant to the vice president and dean of science, **Michael Novacek**.

OFFICE OF THE VICE PRESIDENT FOR FINANCE: **Isabel Miller** joined as assistant to the vice president for finance, **Barbara Dwyer Gunn**.

OFFICE OF THE VICE PRESIDENT FOR PUBLIC PROGRAMS: **Geralyn Abinader** was promoted from Personnel records assistant in the Department of Personnel to secretary to the vice president for Public Programs, **Aldona Jonaitis**.

ORNITHOLOGY: **Walter J. Bock**, research associate, presented a keynote lecture on "Ecomorphology" at the International Congress of Vertebrate Morphology in Antwerp...**Richard O. Prum** is the new Chapman Fellow...**Lester Short**, Lamont Curator, consulted on bird preservation at Cambridge and did field work on honeyguides and forest birds in Kenya in November...**Jennifer Williams** was promoted from secretary to senior secretary...The staff of the Ornithology Department expresses its appreciation to all in the Museum who helped to make the Whitney celebration a great success.

PURCHASING: **Jeffrey L. Maer**, manager, has been elected vice president of the Purchasing Management Association of New York.

VERTEBRATE PALEONTOLOGY: **Richard Tedford**, curator, was appointed chairman of the department.

VOLUNTEERS: **Mabel Scott Georgi**, an origami volunteer, died in September...**Mitzi Bhavnani**, manager, was a panelist at the National Docent Symposium held in Washington, in November...Volunteer **Monica Schwartz** obtained a \$350 donation from the Volunteer Incentive Program at Mutual of New York. **Ms. Schwartz**, a teaching volunteer in the Natural Science Center, has asked that the money be used there.

FORMER SCIENTIFIC ASSISTANT DIES

Carol O'Neill Delaney, former scientific assistant in the Department of Mineral Sciences, died on Sept. 22, in Staten Island following a long illness. She was 47. The Museum offers its condolences to her family and friends.

Ms. Delaney joined the Museum in 1980 as a scientific assistant and left in 1986 to teach geology at the College of Staten Island, a division of the City University of New York.

During her time at the Museum, Ms. O'Neill assisted then Mineral Sciences Department Chairman Martin Prinz in cataloging the Museum's extensive meteorite collection. This furthered her interest in meteorites and she began her own studies on basaltic eucrites.

While at the Museum, she met and married fellow employee in Mineral Sciences, Jeremy S. Delaney who was a NASA-supported post doctoral fellow under Dr. Prinz for seven years. Dr. Delaney left the Museum in 1988 to continue his research and supervise a new electron microprobe facility at Rutgers University in New Brunswick, N.J.



January / February, 1990

VOL. 47, NO. 1

ANTHROPOLOGIST HARRY LIONEL SHAPIRO, CURATOR EMERITUS, DIES AT 87

Harry Lionel Shapiro, curator emeritus of physical anthropology and one of the leading anthropologists in the United States, died on Jan. 7, in Lenox Hill Hospital.

An observance in Dr. Shapiro's memory is planned by the Museum for late February.

The Museum's Board of Trustees memorialized Dr. Shapiro by adopting the following resolution:

"It is with heartfelt sorrow that the Board of Trustees acknowledges the death of American Museum Curator Emeritus Harry Lionel Shapiro...

"Dr. Shapiro, a physical anthropologist of world renown, joined the staff of the museum in 1926, and from 1942 until his retirement in 1970 was chairman of the Anthropology Department and curator of physical anthropology.

"Through his field research he made important contributions to the understanding of many aspects of physical anthropology, such as the relationship between migration and race, and the role of geography and environment in determining racial characteristics.

"His work led him to areas diverse as the Dominican Republic, Cambodia, India, Tahiti, New Zealand, Alaska and Spain.

"Dr. Shapiro's research during the 1940s laid the foundation of forensic anthropology, which has since become a highly refined science practiced by medical examiners throughout the United States. After World War II, Dr. Shapiro went to Europe to establish procedures for indentifying unknown dead; his methodology was the forerunner of a number of the standard procedures used today.

"Dr. Shapiro's many honors and awards for his contributions to science include the Theodore Roosevelt Distinguished Service Medal and election as honorary fellow by the Anthropologische Gesellschaft in Vienna, both in 1964; a New York Academy of Sciences Distinguished Award for Contributions in Science in 1977, and an Award for Distinguished Service given to him by the American Academy of Forensic Science in 1983.

"At the Museum, his projects included designing and supervising the preparation of the Museum's Hall of the



Harry L. Shapiro

Biology of Man, and of the Museum's acclaimed centennial exhibition, "Can Man Survive?"

"His relationship with the Museum continued long after his retirement. Dr. Shapiro was frequently seen about the Museum, and served in recent years as a lecturer for the Museum. He is, no doubt, remembered with special fondness by the small group of Museum colleagues with whom he formed a lunchtime chamber group more than 20 years ago. Dr. Shapiro played the cello.

"Dr. Shapiro, respected colleague and dear friend of the American Museum community, will be sorely missed. We offer our deepest sympathy to his children Harriet, Thomas and James, and to his two grandchildren."

PROGRAM TO SAVE ENDANGERED TURTLES; KLEMENS TO DIRECT JOINT PROJECT

The American Museum has joined forces with two conservation and research organizations in an effort to save the world's endangered turtles.

The announcement was made by Michael Novacek, vice president and dean of science.

The Museum will work with the World Conservation Union (IUCN), headquarters in Gland, Switzerland, and the Durrell Institute of Conservation and Ecology (DICE), in Canterbury, England, to implement conservation projects for more than 100 species of fresh-water turtles and tortoises on six continents.

Michael W. Klemens of the Museum's Department of Herpetology and Ichthyology will be program director of turtle conservation for the cooperative effort.

Projects will be based on the document identifying vulnerable and endangered species published by the Species Survival Commission of IUCN last fall. There are 350 species of fresh-water turtles and land tortoises, a third of which are in need of conservation attention.

"The combination of the resources of the three organizations will enable us to make significant headway in the protection of these endangered animals," said Dr. Novacek. "The Museum, as a research center, will bring to the project the baseline scientific data that makes both a study of dynamic ecosystems and conservation projects of this kind effective."

In collaboration with other museums, zoos, universities and government agencies worldwide, Mr. Klemens will stimulate research studies and education, and will work with local agencies to apply scientific research to turtle conservation problems.

(continued on page 2)

TURTLES (continued from page 1)

Mr. Klemens cited the desert tortoise of the western U.S. and Mexico, which has suffered a great decline in population during the last 30 years, as an example of the critical situation of some species. Among other species in danger are the Mobile Bay slider of Alabama, and the bog turtle of the eastern U.S.

The IUCN monitors changes in the world's environments and collects scientific data on species and ecosystems. It investigates the causes of environmental change and degradation, gauges the severity of problems, and determines appropriate solutions.

Mr. Klemens was also named senior research fellow with DICE, which is at the University of Kent. DICE has 50 spe-



Michael W. Klemens holds three musk turtles found during an inventory of herpetofauna in the Cross River at Pound Ridge, N.Y.
Photo Credit: Ed Kanze, III

cialists in various disciplines and works closely with IUCN.

DICE applies a multidisciplinary approach to the protection of animals and the conservation of ecosystems. It combines principles of anthropology, sociology, economics and ecology with the biological sciences. Endangered or threatened species are examined within the context of the human demand on a particular environment.

Mr. Klemens will represent DICE in the United States, establishing relationships with organizations and corporations interested in conservation-related projects.

Mr. Klemens is coeditor of the book, "The Conservation Biology of Tortoises", which was published by the IUCN in 1989.



Popcorn is more fun to play with than to eat for Andrew Kishun, 1, son of Ron Kishun, museum attendant guard.

FUN FOR ALL AND ALL FOR FUN AT CHILDREN'S CHRISTMAS PARTY

Hundreds of children and their families began their holiday on Dec. 13, at the annual Children's Christmas Party. After a stellar beginning in the Planetarium, things took an aquatic turn when the party moved to the Hall of Ocean Life where everyone feasted on holiday fare—hot dogs, soda, ice cream, popcorn, and peanut butter and jelly sandwiches.

The children told their Christmas wishes to Santa Claus, portrayed with inimitable cheer by Alan Ternes, editor of *Natural History*.

The Party is possible because of the tireless efforts of many people, chief among them Ernestine Weindorf, assistant to the publisher of *Natural History*, and Jean Augustin, senior Museum technician in Mammalogy. For more than two decades, Ms. Weindorf has performed true holiday magic to add a special element to the Museum family Christmas.



Leon Higgins, 2, shows his excitement as he waits to speak with Santa. He is the nephew of Hope Sarrok, secretary in Purchasing.



Rachel Morrison, 2, daughter of Barbara Morrison, administrative secretary in the Financial Office, takes a break from all the excitement.



Keith Lowell, 3, nephew of Susan Klotak, museum technician in Invertebrates, enjoys his ice cream.



Alexandra Peter, 4, niece of Debra Peter, curatorial assistant in Anthropology, gets her face painted.



Lizette Reyes, 8, daughter of Elsie Reyes, secretary in General Services, makes a fashion statement.



Thomas Patrick Quinn, six months, son of Steve Quinn, assistant manager in Exhibition, aspires to be a future Santa.



Two-year-old Thomas Bissonette, nephew of Vito Melito, senior museum attendant guard, models his dapper holiday attire.

TRUSTEE CHAIRMAN IS HONORED BY COLUMBIA UNIVERSITY

William T. Golden, chairman of the Board of Trustees, received Columbia University's Graduate Faculties Alumni Award for Excellence on Nov. 1.

The award was presented by the Graduate Faculties Alumni Association at a dinner in the Rotunda of the University's Low Memorial Library.

Mr. Golden, a native of New York City, received his undergraduate degree in 1930 at the University of Pennsylvania. He earned a Master's Degree in biology from Columbia in 1979, and was awarded an honorary Doctor of Laws Degree by the University in 1986.

A Trustee of the Museum since 1968, he served as a vice president of the Board of Trustees from 1971 to 1988 and was appointed chairman of the Board of Trustees in 1989.

His many present posts include: chairman of the New York Academy of Sciences; treasurer of the American Association for the Advancement of Science; secretary of the Carnegie Institution of Washington; cochairman of the Carnegie Commission on Science, Technology and Government; and vice chairman of the Mayor's Commission for Science and Technology in the City of New York.

He served as assistant and later as consultant, to Commissioner Lewis Strauss of the Atomic Energy Commission between 1946 and 1958.

As special consultant to President Truman, he created the post of Science Advisor to the President and was a key figure in the establishment of the National Science Foundation.

SWRS RECEIVES NSF GRANT

The Southwestern Research Station was awarded a grant by the National Science Foundation to construct a new technical research laboratory. The Museum will match the grant.

The new laboratory will be equipped with temperature control chambers, research quality stereo and compound microscopes, fiber optic illuminators, and microprobe telethermometers. The resources will enable scientists to do research in physiological ecology and biochemical taxonomy. Construction of the laboratory will begin this year.

HERE AND THERE

ANTHROPOLOGY: **Anahid Akasheh** is the new assistant textile conservator.

BUILDING SERVICES: **Steven Brown**, **Pablo De La Cruz**, **Eric Mack** and **Joseph Tusa** joined as Museum attendant guards.

EDUCATION: The Department of Education received a Schools and Culture award from the Alliance for the Arts, Inc., for the consistently high quality of programs it offers to schools. The award was presented at a ceremony at Gracie Mansion in December.

ENTOMOLOGY: **Caroline Michalski** is a new collections conservation assistant.

EXHIBITION AND GRAPHICS: **Lisa Lydestrom**, principal artist, gave birth to a baby girl, Hannah, on Jan. 28.

GENERAL SERVICES: **Pamela Parlakian** joined as assistant manager.

GUEST SERVICES: **Elda Luisi** is a new Guest Services assistant. . . **Youn-Jung Lee** is the new secretary.

ICHTHYOLOGY: **Michael L. Smith**, Kalbfleish Fellow, **Klaus**

D. Kallman, research associate, and **Carlos Rodriguez**, graduate student, attended the annual meeting of the Desert Fishes Council in Albuquerque. Mr. Rodriguez was runner-up for the best student paper presented. . . **Michael Smith** also traveled to Cuba to conduct fieldwork. . . **Carl J. Ferraris**, research associate, spent a month in Brazil, Argentina and Paraguay doing fieldwork.

INVERTEBRATES: **William K. Emerson**, curator, was appointed to the editorial boards of "The Veliger," published by the California Malacozoological Society, and of "Nemouria," published by the Delaware Museum of Natural History. . .

Ward C. Wheeler is welcomed as assistant curator. . . **Ivy Rutzky** was promoted from Museum technician to scientific assistant.

LIBRARY SERVICES: **Mark Taylor** and **Heidi Wantz** joined as part-time library assistants. . . **Valerie Wheat**, assistant librarian for reference services, attended the Film and Television Archives Advisory Committee meeting in Miami. . .

Dawn A. Norel, senior clerk, married Fred J. Renschler.

MAINTENANCE: **Subrata Kanjilal** and **Caroline Khair** are welcomed as Museum attendant guards. . . **Rita Lacks** was promoted from Museum attendant guard to senior Museum attendant guard.

MAMMALOGY: **Erika Bach** is a new part-time research assistant. . . **Wolfgang Fuchs** was promoted from curatorial assistant to Museum technician.

MEMBERSHIP: **Ellen Roccisano** is a new part-time Membership office assistant.

MINERAL SCIENCES: **George E. Harlow**, chairman and curator, married Carole A. Slade, associate professor of English at Columbia University. . . **James A. Webster** joined as assistant curator. . . **Robert A. Fogel** is the new Boeschstein Research Fellow.

MUSEUM SHOP: **Simone Adrian**, **Jennifer Brightwell**, **Annu Mangat** and **Amantha Samatis** are new part-time sales assistants. . . **Pamela Stewart** is a new part-time supervisor.

NATURAL HISTORY MAGAZINE: **Folly Butler** is welcomed as editorial assistant. . . **Elliott Goldberg** is a new part-time circulation assistant. . . **John Ravida** joined as advertising production coordinator.

OFFICE OF THE VICE PRESIDENT FOR FINANCE: **Sylvia Morales** joined as secretary to the vice president for finance.

ORNITHOLOGY: **Francois Vuilleumier**, chairman and curator, was recently in Papua New Guinea and Australia studying the evolutionary origins and taxonomic relationships of birds living in southern beech forests. . . **Mary LeCroy**, senior scientific assistant, also did fieldwork in Papua New Guinea in November and December. . . **Dean Amadon**, Lamont Curator Emeritus, attended a meeting of the Scientific Advisory Board of the Archbold Biological Station in Lake Placid in November. . . **Ben King**, associate, led an expedition to Borneo in search of the rare Bulwer Pheasant. He also surveyed birds on the Tibetan plateau, and lectured at the British Ornithologists' Club, the Royal Society for the Protection of Birds and the Oriental Bird Club. . . **Jeffrey Woodbury** is the new Chapman Postdoctoral Fellow.

PLANETARIUM: **Andy Wong** is a new part-time sales assistant. . . **Sandra Kitt**, librarian, has published her eighth novel with Harlequin Enterprises.

VERTEBRATE PALEONTOLOGY: **Lowell Dingus** was promoted from exhibition coordinator to project director for the fourth floor renovation.

VOLUNTEERS: **Rae Kassner**, **Margaret Tobin** and **Minna Sprung** of the Volunteer Office Support Team were honored at a ceremony at City Hall in December hosted by then Borough President and Mayor-Elect David Dinkins.

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American
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MARCH / APRIL 1990

A. M. N. H. Vol. 47, No. 2

MAYOR DINKINS OPENS 'BLACK ACHIEVERS IN SCIENCE' EXHIBIT



"Black Achievers in Science," a new special exhibit on view on the first floor of the Theodore Roosevelt Memorial Building, highlights the achievements of black Americans in science and technology. The exhibit is made possible by a grant from Citibank. Mayor David Dinkins opened the exhibit on March 16, in a public ceremony attended by museum and Citibank officials and school children from I.S. 51 in Brooklyn, and P.S. 72 in Manhattan. During his speech, Mayor Dinkins said, "'Black Achievers in Science' is an important and most significant exhibition...I take pride in the fact that this exhibition is being held in the American Museum of Natural History....The American Museum sets the standard for all others. And once again, it is leading the way with this memorable exhibition, 'Black Achievers in Science.'" Photo left: Mayor Dinkins greets a young museum goer as Ismael Calderon, coordinator of community programming in the Education Department and coordinator of the exhibit, looks on. Photo right: Young visitors use the exhibit's interactive elements to illustrate the achievements of the scientists who are profiled.

MUSEUM RECEIVES AWARD FOR COMMUNITY PROGRAMMING; INITIATES NEW PROJECT

The Education Department received a "1989 School and Culture Award," from the Alliance for the Arts, Inc., and the New York City Advisory Commission for Cultural Affairs, for its outstanding achievements. The department was cited for innovative programming and responsiveness to community needs.

In keeping with the Education Department's 20-year tradition of community programming, its latest program is the newly launched after-school curriculum for homeless youngsters living in the Harriet Tubman Center.

The School and Culture Award recognized the museum for such programs as Black History Month, the Junior High School Natural Science Program, and the Frederick H. Leonhardt People Center programs, which educate and entertain some 70,000 people each year.

The after-school program at the museum, developed in conjunction with the Department of Cultural Affairs, will give homeless young people a chance to develop their interest in cultural and scientific areas.

(continued on page 2)

CONSERVATOR HELPS PRESERVE REMNANTS OF CONCENTRATION CAMPS

Judith Levinson, conservator in the Department of Anthropology, was a member of a team that traveled to Poland in December to conduct a conservation survey at the Oswiecim-Brzezinka Museum, site of the Auschwitz-Birkenau concentration camps during World War II.

Auschwitz and Birkenau were among the largest concentration camps established by the Nazis. Auschwitz was in operation in Poland from 1940 to 1945; Birkenau from 1941 to 1945.

The Ronald S. Lauder Foundation initiated the Auschwitz Preservation Project to preserve the deteriorating artifacts and buildings of the two camps.

The Oswiecim-Brzezinka Museum is a World Heritage Site, so designated by the United Nations Educational, Scientific and Cultural Organization (UNESCO). It is one of the largest tourist sites in Poland, drawing some 600,000 visitors a year.

For the past 20 years, artifacts in the Oswiecim-Brzezinka Museum received basic conservation care from Polish conservators. But excessive moisture and pollution accelerated decay at the site, especially of the wood and brick structures.

The conservation team was asked to determine how to stabilize the artifacts and the site, and to help plan future treatment by Polish conservators. Ms. Levinson was selected for her expertise in the conservation of organic materials.

Ms. Levinson, and two conservators from the Metropolitan Museum of Art, made recommendations for preserving

shoes, eyeglasses, luggage, human hair, baskets and clothing, as well as the buildings which served as barracks and gas chambers. The thrust of the project is to stabilize, not to restore or refurbish.

"This may be the most significant conservation project of my career," Ms. Levinson said. "It was difficult, but rewarding on an emotional level to visit the camps."

At the museum, Ms. Levinson is responsible for evaluating artifacts, stabilizing, cleaning and repairing them, and recommending environmental control measures for the galleries and storerooms.

Participating in the survey from the Metropolitan Museum of Art were James Frantz, chief conservator of objects and an expert in the conservation of inorganic materials, and George Wheeler, senior conservation scientist and a specialist in stone conservation.



The formerly electrified fence of the Auschwitz concentration camp as it appears today



Entrance of the Auschwitz concentration camp as it appears today. Lettering on the gate translates Work Makes You Free



Luggage of exterminated prisoners from Auschwitz on display in the Oswiecim-Brzezinka Museum.

NEW PROJECT (continued from page 1)

Students from the sixth through the eighth grades will be involved in two series of workshops at the museum. The first, from April 9 through April 13, focused on anthropology, specifically, African arts and culture. The second, beginning April 23, will continue for 11 consecutive Mondays, and will explore the subject of light and optics.

In the arts and anthropology workshops, students learned how masks and ceremonial costumes, music and dance are integrated into African culture; the students then used what they learned to produce a performance at the end of the workshop.

By studying prisms, lenses and mirrors, making a pinhole camera, and observing protozoa through microscopes, students will learn about light and principles of optics in the second of the two workshops.

Other City departments collaborating on the project are the Board of Education and the Human Resources Administration. AT&T is also a supporter of the project.

Three members of the Department of Education are developing the project: Ismael Calderon, coordinator of community programming; Stephanie Penceal, assistant coordinator of community programming, and Nora Sheppard, coordinator of the Junior High School Natural Science Program.

MUSEUM MAKES RECORD DONATION TO THE UNITED WAY

The 1990 United Way Campaign was the most successful ever, raising a record \$16,942.58 – an increase of almost six percent over last year's total.

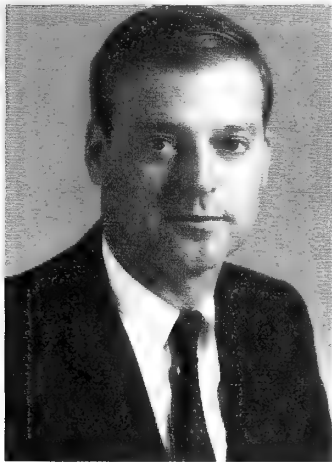
For the first time, it was possible for individuals to request that their donation go to serve a specific need. Homelessness, AIDS and functional illiteracy were the three problems chosen most often for targeted support.

The United Way Campaign chairman this year was Valerie Wheat, assistant librarian for reference services. Stephen Quinn, assistant manager in Exhibition, served as assistant chairman. Their efforts, combined with the work of 35 departmental coordinators, and the support of hundreds of employees made the campaign a success.

Director Emeritus Thomas D. Nicholson reports that the American Museum consistently surpasses all New York City museums in donations. Dr. Nicholson's dedication to the United Way has been the inspiration for the museum's outstanding record.

President George D. Langdon, Jr., said of the United Way effort: "I want to express my thanks and appreciation to everyone who participated in this campaign. This financial contribution is an important part of the commitment the museum makes to our community."

CITIBANK CEO JOINS BOARD OF TRUSTEES



John S. Reed, chairman and chief executive officer of Citicorp and its principal subsidiary, Citibank, has joined the Board of Trustees, it was announced by President George D. Langdon, Jr.

Mr. Reed joined Citicorp in 1965, and became a member of senior management in 1970. In 1974, he headed a task force to study developing the consumer business worldwide. This resulted in the formation of Citicorp's Individual Bank, with Mr. Reed

at the helm. In 1982, he was elected a vice chairman and a director of Citicorp. He has served in his present position since September, 1984.

Born in Chicago on Feb. 7, 1939, Mr. Reed was raised in Argentina and Brazil.

Mr. Reed is a director of Philip Morris Companies Inc., United Technologies Incorporated and the Monsanto Company; chairman of the Coalition of Service Industries and the Services Policy Advisory Committee, an advisory group to the United States Trade Representative. He is a vice chairman of the Business Council and a member of the Policy Committee of the Business Roundtable.

Mr. Reed is also the chairman of the New York Blood Center, and is a member of the board of the Massachusetts Institute of Technology, the Memorial Sloan-Kettering Cancer Center in New York, the Woodrow Wilson International Center for Scholars in Washington, the Rand Corporation, and the Spencer Foundation, Chicago.

CANOE REDO



One of the Northwest Coast Indian mannequins in the Haida canoe looked a little pale as museum preparator, Mark Floyd, gave him a touch up with plaster during the exhibit's renovation. The mannequin was immortalized in J.D. Salinger's, "The Catcher in the Rye," when Holden Caulfield, the novel's protagonist said, "There was one very spooky guy in the back of the canoe...He was the witch doctor. He gave me the creeps, but I liked him anyway." The restoration is being supervised by Kevin Coffee, coordinator of exhibit maintenance. Preparators working on the exhibit include Brian Morrissey, Audrey Jakab, Robert Muller and Gary Pratico. The project will be completed later this year.

MORRIS F. SKINNER, FRICK CURATOR EMERITUS, DIES

Morris F. Skinner, Frick Curator Emeritus in the Department of Vertebrate Paleontology, died in December, in Ainsworth, Nebraska, at the age of 83.

Dr. Skinner began work for the Frick Laboratory in 1927. When the Frick Collection was donated to the museum in 1968, he became Frick Assistant Curator. He retired as Frick Curator Emeritus in 1973.

The Frick Collection is one of the largest and most comprehensive assemblages of North American mammals in the world. Dr. Skinner was in charge of field parties that contributed nearly a fourth of the material in the Frick Collection.

Most of his research was on the living and extinct horses of the world. He also wrote on bison and pronghorns, and contributed fundamental papers on the stratigraphy of northern Nebraska.

He is survived by his wife, S. Marie Skinner, and two children.

POET INSPIRED BY NATUREMAX FILM ON GRAND CANYON

Exhibitions at the museum can do more than just inform. The Naturemax film, "Grand Canyon: The Hidden Secrets," inspired a work of art.

New York poet Stephen O'Connor was so moved by the film's visual imagery that he wrote a 45-page poetic narrative based on the real accounts of John Wesley Powell's 1869 journey down the Colorado River rapids. The film contains a sequence dramatizing Powell's experiences.

Mr. O'Connor, who has never visited the Grand Canyon, described in a letter to William T. Golden, chairman of the Board of Trustees, the powerful effect of the film's photography.

"I never would have been able to recreate Powell's sense of its enormous beauty and violence had it not been shown to me by the film maker's camera. In fact, it occurs to me now that part of my excitement about writing the poem was just a carryover of the excitement I felt when the camera took me down the rapids and out over the edges of mile-high cliffs."

The resultant work, "A Current in the Earth," was recently published in "Rescue," a collection of short stories by Mr. O'Connor, published by Harmony/Crown, New York.

In the poem, Powell describes the trip down the river: "The river was completely unmanageable, sucking us down sluices, flinging us against walls, whirling us in eddies, so that we had to row like demons to get out. ... Shortly before noon we entered onto a stretch of mirror-smooth water, let our oars go slack, and just drifted."

HERE AND THERE

BUILDING SERVICES: Becky Sullivan joined as senior assistant manager...Parbhu Laljie and Isaiah Williams are new museum attendant guards.

CONSTRUCTION: Michael Caprio is a new museum maintainer.

DEVELOPMENT AND PUBLIC AFFAIRS: Elizabeth Chapman was promoted from assistant to associate; Amado David was promoted from assistant to associate; Maureen MacLellan was promoted from associate to officer; Erin McGrath was promoted from associate to officer; Adele Meyer was promoted from officer to coordinator...Erin O'Brien is a new development associate.

EDUCATION: Gloria Davis was promoted from registrar to assistant chairperson.

ENTOMOLOGY: Pavel Stys is the new Boeschenstein Research Fellow.

EXHIBITION AND GRAPHICS: Lauriston Marshall, coordinator of special exhibitions, attended a symposium on design, architecture and exhibition planning held by the Indo-U.S. subcommission at the National Museum of Natural History in Delhi, India. On Feb. 16, Mr. Marshall and Gail E. Morrell, assistant vice president at Sotheby's, were married in a traditional Hindu ceremony...Scott Park is welcomed as principal artist...The traveling exhibition "From the Land of Dragons," opened at the New Mexico Museum of Natural History in Albuquerque on March 17.

FINANCIAL OFFICE: Isabelle Beckerman joined as staff accountant/financial analyst.

FOURTH FLOOR TASK FORCE: Gina Gould was promoted from exhibition assistant to project coordinator...Jeanne Kelly was promoted from senior museum technician to supervising exhibition assistant...Jane Mason was promoted from part-time curatorial assistant to exhibition assistant...Melissa Posen joined as senior project coordinator.

GENERAL ACCOUNTING: Carole Antoine was promoted from accounting clerk to senior clerk.

GENERAL SERVICES: Michael Valentine was promoted from general services assistant to clerk.

HERPETOLOGY AND ICHTHYOLOGY: Gareth Nelson, chairman and curator, returned from six months of field work in Australia...Melanie Stiassny, assistant curator, and Peter Reinthal, postdoctoral fellow, did fieldwork in Sierra Leone in February...Carl Ferraris, research associate, traveled to Venezuela to study catfish...Maureen Donnelly, formerly Boeschenstein research fellow, is now a research assistant...Michael W. Klemens, program director for turtle conservation, and his wife, Nicole, became the parents of a boy, Daniel Stephen, on Feb. 3.

LIBRARY SERVICES: Miriam Tam, assistant librarian for technical services, and Diana Shih, senior cataloging librarian, attended the mid-winter American Library Association Conference in Chicago in January...Daniel Hsiung is the new secretary...Diana Milia is a new senior clerk.

MAINTENANCE: Julio Huapaya joined as cleaning supervisor...Thomas Megas is welcomed as assistant museum maintainer.

MINERAL SCIENCES: James Webster is a new assistant curator.

MUSEUM SHOP: Sabrina Bovell, Joy Johnson and Vincent Musarella are new part-time sales assistants...Dwayne Jackson is a new cash analyst...Donna Peoples joined as senior clerk.

NATURAL HISTORY MAGAZINE: Brunilda Ortiz was promoted from secretary to fulfillment coordinator...Sarrah Mossoff is the new secretary.

OFFICE OF THE VICE PRESIDENT AND DEAN OF SCIENCE: Julie Turner joined as secretary to the Vice President and Dean of Science.

ORNITHOLOGY: Lester L. Short, Lamont Curator of Birds, and his wife, Jennifer Horne-Short, returned from Kenya where they color-banded 647 honeyguides...Jean-Louis Martin, Richard O. Prum and C. Jeffrey Woodbury are welcomed as Chapman postdoctoral fellows...Patricia Escalante, graduate student, did field work in Mexico...Rosemarie Gnam, graduate student, co-chaired a workshop at the first Pan-American Congress on Wildlife Conservation through Education, held in Caracas, Venezuela.

PERSONNEL: Jan Den Adel joined as personnel records assistant.

PLANETARIUM: Dennis Davidson, astronomical artist, had a one-man exhibit of his work, entitled "Orbital Ecology," at ZOHRA Gallery.

PURCHASING: William Oreto is welcomed as purchasing associate.

VERTEBRATE PALEONTOLOGY: Edward Pedersen and Jane Shumsky were promoted from museum technicians to senior preparators...Anna Schermerhorn is a new secretary.

VOLUNTEER SERVICES: Erica Okone is welcomed as assistant volunteer manager responsible for the Museum Highlights Tours Program...Cicely Corbet is the new secretary.

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JUN 20 1990

MAY/JUNE 1990

A. M. N. H.

Vol. 47, No. 3

MANHATTAN REALTOR JOINS MUSEUM'S BOARD OF TRUSTEES

Daniel Brodsky, partner with the real estate development company, The Brodsky Organization, is a new member of the Board of Trustees, it was announced by President George D. Langdon, Jr.

Mr. Brodsky joins a board composed of 47 elective members, 10 honorary members and six ex officio members. The Board of Trustees guides museum policy and carries financial responsibility for the institution.

He has been active in real estate development in Manhattan for the past 15 years. His current projects include a joint venture with St. Luke's/Roosevelt Hospital to create combined rental apartments and staff housing for hospital employees.

Mr. Brodsky graduated from the University of Pennsylvania with a bachelor of arts degree in 1966. He attended New York University where he earned a masters degree in Urban Planning.

He is a member of the board of directors of the Manhattan Bowery Corporation, an organization that provides shelter for homeless people in Manhattan. He is also a member of the board of directors of the Real Estate Board of New York, and the board of directors of The Realty Foundation of New York. Mr. Brodsky is a trustee of both the Dalton School and the Brearley School.



Daniel Brodsky

HOLOGRAMS OF THE BRAIN TO BE FEATURED IN NEW HALL OF HUMAN BIOLOGY AND EVOLUTION

Holograms of the human brain will be on public view for the first time in the renovated Hall of Human Biology and Evolution, set to open in 1992.

The holograms will be provided by Dr. Kathryn Ko, chief resident in the Department of Neurosurgery at the Mount Sinai Medical Center.

Holograms, or "whole drawings," are images of objects reproduced on film using a laser photographic technique. The images are three-dimensional and appear to project out of the plane of the film.

Although the technique of holography was developed more than 20 years ago, the holograms that will be on view represent a milestone: the brain's neurological pathways have never before been imaged in three dimensions, Dr. Ko said.

She is one of the co-originators of brain holograms, and explains that they may provide an unprecedented tool for neurological teaching. She has worked with Peter Nicholson and John Webster, both physicists with Holographics, Inc., to create holograms that include systems of the brain involved in vision, smell, memory and movement.

The pulsed ruby laser that is used to make the brain holograms produces powerful bursts of light that may last only a billionth of a second. Unlike other holography techniques, pulsed holography can be used to make holograms of living, moving objects.

Dr. Ko said that pulsed lasers may one day be used to make holograms of the brain during surgery or during an autopsy.

Dr. Ko got the idea to approach the museum after a visit when she saw plans for the Hall of Human Biology and Evolution on display in the corridor beside the hall's construction area. The plans indicated that the hall would feature nerve systems of the body and models of the brain.

She contacted J. Willard Whitson, exhibit designer in charge of creating the hall's displays, and showed the holograms to Mr. Whitson and George S. Gardner, chairman of the Department of Exhibition and Graphics. They were fascinated, and agreed that holograms could make an important contribution to the hall.

Mr. Whitson said that holograms could also enable researchers around the world to have access to copies of museum specimens. Such holographic copies could preserve all the detail of the three-dimensional original.

Also, he explained, holograms do not damage delicate surfaces of an object, so under certain circumstances it

(continued on page 4)

VOLUNTEERS ARE HONORED AT RECEPTION FOR SERVICE TO MUSEUM

President George D. Langdon, Jr., hosted a reception honoring museum volunteers in the Hall of African Mammals in April. More than 250 volunteers attended the evening event held in recognition of the many hours of service they have given the museum. In the past fiscal year, the museum's 552 volunteers put in a total of 94,000 hours. Volunteers work in every part of the museum, from the very visible positions working with the public, to those involved in behind-the-scenes projects in offices and scientific departments.

President Langdon expressed the appreciation of the entire museum when he said at the reception: "This institution is better for the work of volunteers—our whole society is better for it. I want to thank you for what you do for us."



Irwin Berger, left, information desk volunteer and Highlights Tour guide, relaxes with husband and wife volunteers Harvey and Marjorie Kagan. He works in the library, and she is a Highlights Tour guide and Discovery Tours volunteer.

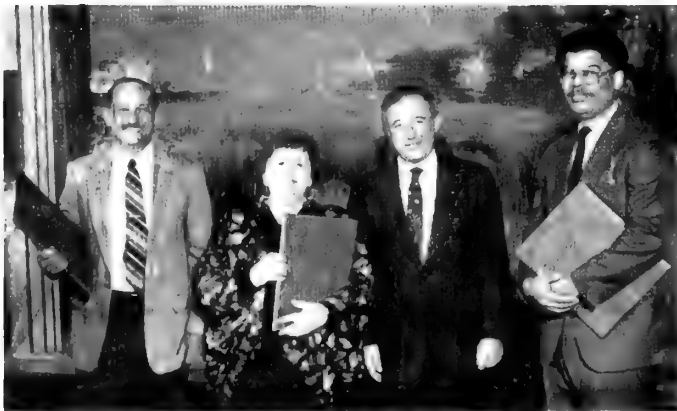


Adele B. Cooper and Joseph Green, Highlights Tour guides, chat with William J. Moynihan, vice president and director.



Norma Bengelsdorf, Margaret Foster and Doris Edelson, left to right, members of the Friday information desk crew, enjoy a chance to socialize.

NEW MEMBERS ARE INDUCTED INTO THE QUARTER CENTURY CLUB



President Langdon, second from right, with three new inductees, from left to right, Luis Bonilla, Margaret A. Brown and Charles L. Miles.

There are five new members in the Quarter Century Club. More than 100 members and guests welcomed the inductees at a dinner and reception in the Hall of African Mammals in April. The club's active membership is now 168.

The new members are: Luis A. Bonilla, senior museum attendant guard; Margaret A. Brown, telephone operator; Charles L. Miles, manager of the Department of Building Services; Russell Rak, administrative assistant in the Department of Library Services, and Robert Robertson, senior museum attendant guard.

President George D. Langdon, Jr., and William J. Moynihan, vice president and director, welcomed the new members. Mr. Langdon thanked them for their years of service. He said that their work and support make the museum a living and vital place.



New member Margaret A. Brown, left, gets a congratulatory hug from Patricia A. Brunauer, senior secretary in the Department of Mammalogy



Terence Dolan, left, senior museum attendant guard who retired in April, reminisces with new member, Luis Bonilla.

MUSEUM GRAD STUDENT GETS CHEVRON AWARD FOR PARROT WORK

Rosemarie Gnam, a CUNY graduate student who is studying in the museum's Department of Ornithology, received a Chevron Conservation Award for her efforts to save the endangered Bahama Parrot.

The birds, which measure 12 inches from head to tail, have green bodies, blue wings, white heads and red throat feathers. They build their nests in deep, narrow limestone crevices in the ground on the Bahamian island of Abaco.

Female Bahama Parrots and their nestlings are under constant threat of predation by land crabs, snakes and feral cats. The illegal capture of the parrots for sale on the black market is also a significant problem.

Ms. Gnam has studied their mating habits and nesting behavior in their native pine forest habitats.

In 1986, she and researchers from the Bahamian Department of Forestry drafted a proposal for an act of Parliament to create a reserve for these parrots on government-owned

land in the southern part of Abaco. Legislative approval is still pending.

Population counts that Ms. Gnam made in 1986, 1988 and 1989 indicate that the number of Bahama Parrots has decreased.

She is awaiting funding from Wildlife Conservation International and Wildlife Preservation Trust International to support a program to relocate Bahama Parrots across a land bridge to the northern part of the island, Little Abaco, where the birds would not be subject to predation by feral cats.

One way to save the Bahama Parrot, Ms. Gnam believes, is to increase awareness that the Bahama Parrot is unique. Her hope is that pride in the Bahama Parrot as a "national treasure" may encourage island residents to save the birds and other native animal species.

She was among 20 people and five organizations to receive the \$1,000 Chevron awards this year.

INDIAN LEADERS FROM CANADA VISIT ANCESTRAL SHRINE AT MUSEUM

Five representatives of Native American groups from Canada attended a luncheon meeting at the museum, hosted by President George D. Langdon, Jr., to discuss their involvement with an exhibition that features a rare cultural treasure — a Northwest Coast Indian whaler's washing house.

"The whaler's washing house is the only one of its kind, and one of the most significant artifacts ever made by Northwest Coast Indians," said Aldona Jonaitis, vice president for public programs. Whaling has not been practiced by Northwest Coast Indians for several generations.

The five representatives, who spent three days at the museum, are: Norman George, hereditary chief; George Watt, tribal council chairman, and Larry Andrews, Tom Dick and Arnold James representing other hereditary chiefs of the Mowachaht (mo-ah-chot) and Muchalaht (mu-cha-lot) bands of the Nuu-chah-nulth (Nootka) tribe from Vancouver Island, British Columbia. Anthropologist Richard Inglis of the Royal British Columbia Museum also attended. He too will be involved in preparing the exhibition.

During their stay the whaler's washing house was viewed by the Nuu-chah-nulth representatives, and discussions began on a future exhibition that will feature the whaler's washing house.

The Nuu-chah-nulths will participate in preparing the exhibition, the first collaborative effort between a Native American group and the museum on such a project.

For generations, whaling was central to the Mowachaht culture. The shrine was the setting for a ceremony in which a chief and his wife purified themselves and chanted sacred magical songs to call a whale to shore. The prestige of a chief and his wife was enhanced if a whale beached itself, eliminating the need for a dangerous hunt.

The museum bought the whaler's washing house from two Nuu-chah-nulth chiefs in 1904. The purchase was made by George Hunt, who served as a member of the Jesup North Pacific Expedition, for Curator of Anthropology, Franz Boas.

The washing house, a 15-foot square structure with open sides, has 88 five-foot-tall human statues, each with a different face, as well as four carved wooden whales.

Disassembled and shipped to New York, the washing house was to be put together as a permanent exhibition

in the Hall of Northwest Coast Indians. This did not happen. Instead, a model of the house was made and is currently on display in the hall.

Plans are for the exhibit to travel to the Royal British Columbia Museum in Victoria. Discussions are underway for some materials to be exhibited in Mowachaht Territory.



Detail of the whaler's washing house in 1904. George Hunt sent this photograph to Franz Boas, to get permission to purchase the washing house.

BRAIN HOLOGRAMS (continued from page 1)

might be preferable to make a hologram of a specimen rather than a cast of it.

Another hologram that will be featured in the new hall is that of DNA. The DNA double helix will appear to spiral outward as visitors walk by it.

The DNA hologram was developed by Gerhard Schlanzky, assistant designer for the hall, in cooperation with researcher Jim Pflugrath at the Cold Spring Harbor Laboratory, Cold Spring Harbor, N.Y., and Jason Sapan of Holographic Studios, Inc.

SIDNEY HORENSTEIN NAMED COORDINATOR OF ENVIRONMENTAL PUBLIC PROGRAMS

Sidney S. Horenstein, formerly senior scientific assistant in the Department of Invertebrates, has been named coordinator of Environmental Public Programs. He will be responsible for designing exhibitions and organizing programs on the geology, biology and ecology of the tri-state region.

Mr. Horenstein, in cooperation with the Departments of Education, and Exhibition and Graphics, will develop programs to address ecological and environmental issues.

Mr. Horenstein is working with Eva Zelig, exhibition coordinator, on a major exhibit that will examine global climate change. The exhibit is scheduled to open in 1992.

He is also documenting the plants and animals in the museum's exhibitions to determine whether they are endangered or threatened. New labels will be created to explain the status of each endangered creature. The information will also be distributed to high school and college instructors to help them develop educational programs in the museum.

As a liaison with New York City's environmental groups, he will increase the museum's involvement in local ecological issues. Mr. Horenstein is on the Mayor's Committee on Water Conservation, and is a member of the Environmental Education Advisory Council.

Mr. Horenstein, who has worked at the museum for 30 years, has led membership tours, field trips, boat rides and bus trips that focused on geological topics. He has taught in the Department of Geology and Geography at Hunter College for 23 years.

Mr. Horenstein will continue to work in the Department of Invertebrates as manager of special projects, where he is currently designing computer programs to increase accessibility to the collection.

HERE AND THERE

ANTHROPOLOGY: Rachel Slowinski is a new part-time collections assistant.

BUILDING SERVICES: Jennifer Delarose and Sylvia Valdez were promoted from museum attendant guards to senior museum attendant guards...Steve Spyropoulos joined as a museum attendant guard.

DEVELOPMENT AND PUBLIC AFFAIRS: Amado David, development associate, and his wife, Wendy, became the parents of a girl, Joy Alina, on March 10...Amy Downs, development associate, and her husband, Dan, became the parents of a boy, Ian Andrew, on March 19...Lillie Balinova, public affairs assistant, was a panelist at a recent

symposium, "Radio, the Biggest Classroom in the World," sponsored by the Writers Guild of America, East.

EDUCATION: Kathleen Constant is a new administrative secretary.

ENTOMOLOGY: Jerome G. Rozen, Jr., curator, recently returned from a National Geographic Society-sponsored field trip to Argentina where he searched for panurgine bees. He was joined by Arturo Roig-Alsina, a graduate research fellow...Edward Bridges, Katina Raimond and Andrey Sharkov are welcomed as part-time curatorial assistants.

EXHIBITION AND GRAPHICS: Kimberly Hemingway is a new principal artist.

FOURTH FLOOR TASK FORCE: Steven Warsavage is a new exhibition assistant.

HERPETOLOGY & ICHTHYOLOGY: Charles W. Myers, curator, Carl Ferraris, research associate, Maureen A. Donnelly, Boeschstein Research Fellow, David A. Grimaldi, assistant curator, Richard O. Prum and C. Jeffery Woodbury, Chapman Fellows, collected specimens of freshwater fish in Guaiquinima, Venezuela...Michael W. Klemens, program director for turtle conservation, attended a meeting of the World Conservation Union (IUCN) steering committee in Washington...Linda Ford, post-doctoral fellow, gave a seminar on "The Phylogenetic Reassessment of Complex Characters: Origin, and Maintenance" at the University of Chicago...Frances Irish, research associate, gave birth to a daughter, Robyn Louise, on March 2.

INVERTEBRATES: Norman D. Newell, curator emeritus, was at the University of Sao Paulo in Brazil, lecturing and doing field work and research.

LIBRARY SERVICES: Sarah Granato was promoted from reference librarian to senior reference librarian...Eric Friedland is a new senior clerk...Shing-Jung Chiu, cataloging librarian, and her husband Chun-Nan, became parents of a girl, Tiffany, on March 6...Luis Samot, clerk, married Lourdes Anico on March 30.

MAINTENANCE: Johnny Lall joined as assistant museum maintainer.

MICROPALEONTOLOGY PRESS: Charles DiBiscelgie is a new museum technician.

MINERAL SCIENCES: Curators Ed Mathez and James Webster participated in the first joint AMNH/Columbia University Geology Field Trip, during which faculty and students studied volcanic and other rocks in Mexico, Sonora, Calif...Martin Prinz, curator, Craig Johnson, research fellow, and Michael Weisberg, scientific assistant, participated in and presented papers at the 21st Lunar and Planetary Science Conference at the Johnson Space Flight Center in Houston.

MUSEUM SHOP: Suzette Allen, Amanda Richardson and Lisa Wong joined as part-time sales assistants...Roxanne Knight is a new part-time clerk typist.

OFFICE OF THE PRESIDENT: Lisa Koenigsberg is welcomed as executive assistant.

ORNITHOLOGY: Robert W. Dickerman, research associate, recently led a National Geographic Society-sponsored expedition to the previously unexplored Wonegizi Mountains in northwestern Liberia...Dean Amadon, curator emeritus, presented a paper, "Current and Future Trends in Raptor Research," at the fourth New England Hawk-Watch in Holyoke, Mass...Allison Andors was promoted from scientific assistant to senior scientific assistant.

VERTEBRATE PALEONTOLOGY: Robert Evander is a new preparator.

EXXON MAKES \$2.5 MILLION GIFT FOR DINOSAUR HALL AND LIBRARY RENOVATION

The proposed major renovation of the famed dinosaur halls at the museum received a major boost with the announcement of a \$2.5 million grant from Exxon Corporation.

To finance the estimated \$40 million upgrading of all four of its fourth floor fossil halls and its natural history library, the museum has begun seeking early support for a major capital campaign that will be announced later this year.

"For generations, the centerpiece of the museum has been its incomparable collection of dinosaurs and fossil mammal remains," said President George D. Langdon, Jr. "This collection, and the millions of visitors who see it each year, deserve the benefits of a vastly improved physical setting and exhibition techniques. Exxon's early pledge of support is of vital importance in building the base from which to launch the most ambitious capital drive in the museum's 121-year history."

Exxon Chairman Lawrence G. Rawl, a member of the museum's Board of Trustees since 1986, said the corporation's gift was designed to "encourage the corporate community to support this most vitally important aspect of one

of the world's greatest institutions."

Exxon, a generous supporter of the museum for nearly 20 years, will make this latest grant over a five-year period. These halls, which are under the aegis of the Department of Vertebrate Paleontology, house the fossil skeletons of 20 different kinds of dinosaurs, the world's largest display of such creatures.

The new facility would take into consideration changes in the scientific context of the collection, in the collection itself as it has expanded over time, in educational philosophy and methodology, and in the cultural context of an information rich, but scientifically undereducated nation.

Considerable renovation is also planned for the library to provide for much needed stack space, consolidation of collections, and conversion to modern compact storage.

In the proposed renovation program, the 100,000-square-foot fourth floor area that houses the dinosaur halls and the fossil mammal exhibits would be virtually taken apart and put back together in a new configuration.

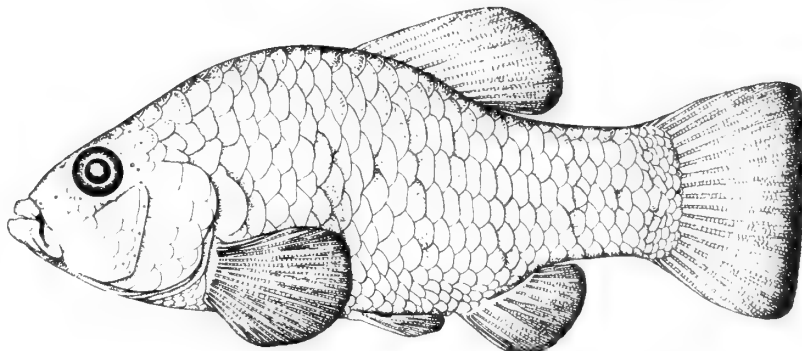
NEW FISH SPECIES CAN SURVIVE VERY SALTY WATER

A species of fish that can thrive in water so salty that it would kill most other aquatic animals, was discovered by Michael L. Smith, Kalbfleish Assistant Curator (Fellow).

The discovery was made on the Caribbean island of Hispaniola, which is comprised of the republic of Haiti and the Dominican Republic. The newly discovered species is a type of pupfish. There are more than 60 known species of pupfishes, which are grouped under the scientific name Cyprinodontinae. They are small, brightly colored relatives of the mollies, guppies and swordtails commonly purchased for home aquariums.

"Although much is known about the diversity of pupfishes in mainland habitats of North America," said Dr. Smith, "the number of forms in the Caribbean, and their evolutionary relationships, have not yet been established."

Although some species of pupfish have been found in fresh water, many of the pupfish live in hypersaline bodies of water that are exposed to bright light, and which reach the highest temperatures tolerated by vertebrates. Death Valley, California, is an example of one such pupfish habitat.



Cyprinodon nichollsi

Dr. Smith targeted areas in the Caribbean that have this climate to search for the fish. He explored Laguna Oviedo, a coastal lake in the southeastern part of the Dominican Republic with a salinity twice that of seawater. Last October, he reported the discovery of a new species of pupfish there, *C. nichollsi*.

Dr. Smith recently made an even more remarkable discovery at Las Calderas, a coastal lake in the Dominican Republic. With graduate student Carlos Rodriguez, he found a species of pupfish that can tolerate water that is five times more saline than seawater. This is the highest salinity tolerance recorded for fishes.

INVESTMENT BANKER JOINS THE MUSEUM'S BOARD OF TRUSTEES

Franklin D. Raines, general partner in the investment banking firm of Lazard Frères & Co., has joined the Board of Trustees of the museum, it was announced by President George D. Langdon, Jr.

Mr. Raines joins a board of 48 elective members, 10 honorary members and six ex officio members. The Board of Trustees guides museum policy and carries financial responsibility for the institution.



Franklin D. Raines

Mr. Raines has been active in municipal finance since 1979, and has helped state and local governments to institute major budget and financial management reforms and raise more than \$10 billion in the capital markets.

He was formerly associate director for economics and government in the federal Office of Management and Budget, and was assistant director of the White House domestic policy staff from 1977 to 1979.

Mr. Raines is a member of the Board of Overseers of Harvard University and the Board of Trustees of the University of Puget Sound. He is a trustee of the German Marshall Fund of the United States, and a director of the French-American Foundation.

He serves on the Commission on Behavioral and Social Sciences and Education, and the Committee on National Urban Policy of the National Academy of Sciences. He also is on the Board of Directors of the American Institutes for Research, and is a member of the Council on Foreign Relations.

ID DAY: VISITORS VIEW MUSEUM TREASURES AND BRING IN THEIR OWN

Hundreds of visitors took advantage of the opportunity to have their treasures examined by museum staff on ID Day, June 9. Selected specimens from the museum collections were also on view to give a peek at some of the museum's treasures. ID Day was organized by Nathaniel Johnson, special programming coordinator in the Department of Education, and Sidney Horenstein, coordinator of environmental public programs, the originator of ID Day.



Carole Griffiths, graduate student in ornithology, shows a bird specimen to a young visitor.

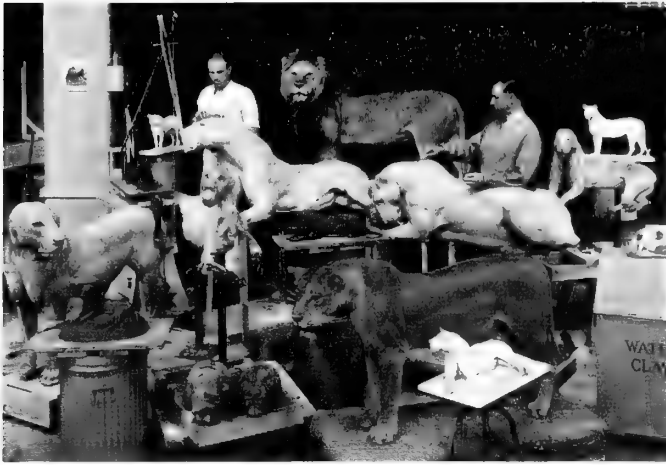


Norma Feinberg, senior scientific assistant in ichthyology, shows off fish specimens to visitors.



Jean Augustin, senior museum technician, examines an engraved horn brought in by a family.

'BEHIND THE SCENES:' AN EXHIBITION ABOUT HOW EXHIBITIONS ARE CREATED



James L. Clark, right, former director of what was then the museum's Department of Art, Preparation and Installation, works on a clay model of a lion for the Akeley Memorial Hall of African Mammals.



Museum workers build the Akeley Memorial Hall of African Mammals. The hall opened to the public in 1936.

Intrigued by the artistry and realism of the American Museum of Natural History's exhibitions, visitors often ask how they were created. The exhibition, "Behind the Scenes," gives museum goers a rare opportunity to stand side-by-side with museum preparators and volunteers as they demonstrate the techniques used to create an exhibition.

"Behind the Scenes," which opened Friday, Aug. 3, and runs through April 7, shows how rocks and foliage are created, how fiberglass replicas of fossils are made, graphic techniques such as silk-screening and typography, and the technology used in producing film and video images.

Archival photographs illustrate the construction of the museum's famous exhibitions, and show early techniques that revolutionized the creation of dioramas.

Not only are visitors able to peek into past exhibits, they get a glimpse of future exhibition halls now under construction.

Visitors get an early view of the proposed fourth floor fossil halls renovation, which will be completed in the late 1990s, and see plans for the Hall of Human Biology and Evolution, scheduled to open in the fall of 1992.

Sketches, drawings, scale models and full-size mock-ups help to show how the plans for a new exhibition become a reality.

Museum volunteers and members of the Department of Exhibition and Graphics are on hand to demonstrate the techniques described in the exhibition.

NOTE: MUSEUM CALLS FOR EXHIBIT PROPOSALS

If you have ever had a fabulous idea for an exhibition, now is your chance to submit a proposal, and perhaps see that exhibition mounted at the museum. Museum staff members are encouraged to present their ideas for consideration. For information on proposal guidelines contact: Geralyn Abinader, secretary to the vice president for public programs, 769-5930.

MUSEUM RESEARCHERS TO GO INTO THE WOODS AT BLACK ROCK FOREST

The museum received two research grants in June through a grant program initiated this year by the Black Rock Forest Consortium.

The Department of Mineral Sciences and David A. Grimaldi, assistant curator in the Department of Entomology, each received a grant.

Dr. Grimaldi will use his grant to study Mycetophilidae, or fungus gnats. There are about 5,000 diverse species of fungus gnats, and although they have been studied extensively in Europe, North American species are not well known. He will research the life histories, immature stages, and general natural histories of these flies, and will collect specimens for study at the museum.

The Department of Mineral Sciences is sponsoring an undergraduate student to conduct a geologic investigation and collect samples of the iron- and uranium-rich rocks of the forest. The work will include geologic mapping, and geophysical, geochemical and petrographic study.

The BRF Consortium is a group of educational and research

institutions in the New York area that manages a 3,600-acre parcel of land about 50 miles upstate in Cornwall, near West Point.

The museum is one of 15 members of the consortium, which includes Columbia University, Barnard College, New York University, Lehman College, Brookhaven National Laboratory, Brooklyn Botanic Garden and several secondary schools.

The forest is comprised of diverse habitats, including mountains, ponds, forests and wetlands, all accessible by 25 miles of trails. It is undeveloped, affording scientists an unusual opportunity to conduct research. The land was purchased from Harvard University by the Golden Family Foundation, which leases it to the consortium for one dollar a year. The president of the foundation is William T. Golden, chairman of the museum's Board of Trustees.

The forest is available to museum staff and trustees for hiking and study. Limited overnight facilities are available in the headquarters building.

CURATORS JOIN MUSEUM STAFF

New scientists have joined the staff as assistant curators. They are, Mark Norell in the Department of Vertebrate Paleontology, and James Webster in the Department of Mineral Sciences.

Dr. Norell comes to the museum from Yale University, where he was a lecturer in the Department of Biology, and a co-lecturer in molecular systematics.

He joined the museum as the "dinosaur curator," and pursues a field program of excavating for dinosaurs in Africa and Asia and continuing field work in South America. His research focuses on the evolutionary relationships of crocodiles and lizards.

Dr. Norell approaches questions of systematics by studying both the fossil record of extinct and ancient forms of reptiles, and the molecular structure of the DNA of their living relatives. By integrating the two sets of information, he is able to produce a clearer idea of the relationships among these animals.

He posits that molecular evolution can occur at a different rate than structural evolution, and traces the differing rates of change in crocodiles.

Another aspect of Dr. Norell's work is an attempt to develop a new theory for establishing when different creatures first evolved, how long they endured, and the relationships of animals through time. By combining the information on occurrences in the fossil record with structural evidence of the fossils themselves, he hopes to challenge currently held beliefs about evolutionary relationships.

Dr. Webster joined the museum in January. Before arriving here, he worked at the United States Geological Survey studying magmatism. He also did research on precious metals in the western United States.

He is now engaged in research concerning ore deposits, specifically ores such as tin and tungsten that are associated with underground magmas and volcanic flows.

Dr. Webster's research is a combination of field work and experimentation. After studying and collecting ore deposits in the field, he tries in the laboratory to understand the forces that created the deposits.

To do this, he reproduces on a small, controlled scale the conditions in the magmas and lava flows. Dr. Webster loads powdered granite into small tubes made of precious metals. They are subjected to very high temperature and pressure, then are cooled rapidly in the presence of the volatile chemicals found in volcanoes. The resulting distribution of materials gives insights into what actually happens during an eruption and during ore deposition.

HERE AND THERE

ANTHROPOLOGY: **Niurka S. Tyler** is a new part-time data entry operator.

BUILDING SERVICES: **Chrisendat Bhim**, **Evadne Clarke**, **Della Murphy**, **Mahadai Prashad**, **Eumelia Rojo** and **Miriam Santos** were promoted from museum attendant guards to senior museum attendant guards...**Andrea Jarski** joined as assistant manager...**Veena John** was promoted from museum attendant guard to secretary.

DEVELOPMENT AND PUBLIC AFFAIRS: **Bipasha Shom** is a new development assistant...**Jennifer Orowitz** joined as development associate.

EDUCATION: **Malcolm J. Arth** served on a review panel

in Washington jointly sponsored by the American Film Institute and the National Endowment for the Arts...**Tony Guerrero**, museum instructor, and **Debra Peter**, material culture analyst in the Department of Anthropology, were married on June 23.

ENTOMOLOGY: **Sophia Jongsurasithiwat** is a new part-time curatorial assistant.

EXHIBITION AND GRAPHICS: **David McCornack** was promoted from intern preparator to preparator...**Margaret Cooper** received a Distinguished Achievement Award from the Education Press Association of America for her work on the magazine, *Faces*.

FINANCIAL OFFICE: **Leslie Brown** is the new budget director.

FOURTH FLOOR RENOVATION GROUP: **Phil Fraley** joined as supervising exhibition assistant...**Ronald Clarke** and **Paul Zawisha** joined as senior exhibition assistants...**James Shepherd** is a new exhibition assistant.

GUEST SERVICES: **Youn-Jung Lee** was promoted from secretary to guest services assistant...**Sandra Macklem** is a new secretary.

HERPETOLOGY AND ICHTHYOLOGY: **Maureen A. Donnelly**, research assistant, and **Linda S. Ford**, Kalbfleisch Fellow, attended the American Society of Ichthyologists and Herpetologists meeting in Charleston, S.C., in June. Dr. Donnelly was a moderator, and was also elected to the Board of Governors. Dr. Ford presented the paper, "The Philosophy of the Natural History Collection Builders and Their Practices"...**Charles Cole**, curator, and **Carol Townsend**, associate, are spending the summer at the Southwestern Research Station studying unisexual lizards...**Peter Moller**, research associate, did fieldwork on the Bandama and Camoe rivers in the Ivory Coast, West Africa.

INVERTEBRATES: **Pauly Cartwright** is a new lab supervisor.

LIBRARY SERVICES: **Glynis Hillard** is the new secretary...**Keith Kowal** and **Delisa Williams** joined as part-time library assistants.

MAINTENANCE: **Gabriel Garcia** joined as assistant museum maintainer.

MICROPALEONTOLOGY: **Carlos Castano** was promoted from senior clerk to museum technician.

MUSEUM SHOP: **David Blanco**, **Alexis Crumbley**, **Stephanie Estes**, **Angel Grant** and **Nakia Mitchell** are welcomed as part-time sales assistants.

NATURAL HISTORY MAGAZINE: **Dierdra Mulzac** is the new secretary.

ORNITHOLOGY: **Francois Vuilleumier**, chairman and curator, presented a paper, "Origins and Development of American Avian Zoogeography," at a joint annual meeting of the Wilson Ornithological Society and the Association of Field Ornithologists at Wheaton College, Mass...**Allison V. Andors**, senior scientific assistant, organized a joint expedition to southwest Wyoming with the Smithsonian Institution in June to collect fossil birds for exhibit here...**Walter J. Bock**, research associate, attended, and graduate students **Rosemarie Gnam**, and **Patricia Escalante** presented papers at the joint annual meeting of the American Ornithologists' Union and before the Cooper Ornithological Society at the University of California in June.

PLANETARIUM: **Violet Gouge** was promoted from senior clerk to supervising clerk...**James Daniels** joined as planetarium assistant.

PURCHASING: **Theresa Parson** is the new secretary.

VERTEBRATE PALEONTOLOGY: **JoAnne Ellkann** is a new part-time curatorial assistant...**Michael Ellison** joined as a senior artist.

ARTHUR ROSS HALL OF METEORITES GETS NEW THEATER

The Arthur Ross Hall of Meteorites has undergone a transformation with the addition of a 30-seat theater designed to show the new film, "Meteorites and the Earth." Produced by the museum, the film examines recent research on meteorites.

The Board of Trustees will honor Trustee Arthur Ross on Monday, Nov. 5, in a ceremony marking the official opening of the new theater in the hall that bears his name.

The hall opened to the public in 1981, and Mr. Ross's generous contributions helped make its creation possible. His continuing support led to the hall's refurbishment this fall.

"Meteorites and the Earth," runs 17 minutes and explores how meteorites form and affect planets, what meteorites are made of, and the influence of meteorite impacts on the history of life. The film is narrated by actor Tony Randall.

In the film, four scientists explain and demonstrate their research on meteorites. The role of meteoritic impacts in the formation of the Earth and the moon is discussed by George Wetherill of the Carnegie Institute in Washington, DC.

Martin Prinz, curator of meteorites at the museum, shows the instruments he uses to study meteorites and explains how these studies give insights into the history of the solar system and our planet. Peter Schultz of Brown University demonstrates how a meteorite impact is duplicated in the lab to study the formation of craters.

The theory that catastrophic results of a huge meteorite impact caused the extinction of the dinosaurs is explained by one of the originators of that theory, Walter Alvarez of the University of California at Berkeley.

The film was produced and directed by film maker Bonnie

(continued on page 3)

MUSEUM EXPEDITION TO OUTER MONGOLIA UNCOVERS A WEALTH OF NEW FOSSIL SPECIMENS



The block containing the skull of the varanoid lizard.

This summer museum scientists uncovered a treasure trove of fossils on the first western paleontological expedition to the Mongolian People's Republic in nearly seven decades.

The recent trip, the first of four expeditions planned for the summers of 1990 through 1993, produced a collection of important fossils including a new species of giant Komodo dragon-like lizard that probably preyed on small dinosaurs and other animals. Other important finds were exquisitely preserved skulls of small lizards and jaws of early mammals.

The museum's Central Asiatic Expedition, led by Roy Chapman Andrews, made significant fossil discoveries in the region during the 1920s. While Andrews did not begin to exhaust the potential for scientific discoveries in Outer Mongolia, in 1925 political tensions forced him to abandon further explorations.

Recent shifts in the political climate in Outer Mongolia, a satellite of the Soviet Union, made cooperation between museum researchers and their Mongolian counterparts possible. The museum scientists journeyed to the country at the invitation of a team of investigators from the Mongolian Academy of Sciences.

"The expeditions to Central Asia the American Museum of Natural History sponsored in the 1920s captured the public

(continued on page 2)



Visitor at moonscape entrance to theater.

imagination and their discoveries created international fascination with questions of evolution," said President George D. Langdon, Jr. "We are proud and excited to be invited to return to this scientifically critical region, to expand on our early discoveries and to use modern resources to increase our understanding of the history of life on earth."

Assistant Curator Mark A. Norell, an expert on dinosaurs and reptiles, and Frick Curator Malcolm C. McKenna, an authority on mammals, are, along with Michael J. Novacek, dean of science, the leaders of the American team of researchers. The Mongolian Academy team includes the paleontologists Dembereyin Dashzeveg and Rinchen Barsbold.

Much larger teams of scientists will participate in the 1991-1993 expeditions, and Mongolian scientists will come to the U.S. to study the museum's fossil collection and to conduct field research in the American West.

The goal of the museum's research is to understand the ecosystems of Central Asia that existed from 100 to 40 million years ago, at the end of the age of dinosaurs and the beginning of the era dominated by mammals.

Discoveries in Outer Mongolia will also provide new insights on the history of life in Central Asia and the role of this region as a theater of evolution for many groups of animals.

It is hoped that the paleontological project will spawn a broader program of cooperative research between the American Museum of Natural History and the Mongolian Academy in the areas of zoology, geology and anthropology.

A plan for a series of exhibition exchanges between the American Museum of Natural History and the State Central Museum in Ulan Bator, the capital of Mongolia, is being developed by Aldona Jonaitis, vice president for public programming, and Mongolian officials. In the program, special exhibitions that examine the natural and cultural history of Mongolia will be brought to North America for the first time.



Roy Chapman Andrews (right) with dinosaur eggs discovered during the Central Asiatic Expedition of the 1920s.



Mark Norell, assistant curator, excavating a clutch of dinosaur eggs on the 1990 joint expedition to Outer Mongolia.

SOUTH AMERICAN LIZARDS ARE THE SPECIALTY OF NEW ASSISTANT CURATOR

Darrel R. Frost, whose research focuses on two rarely studied groups of South American lizards, is a new assistant curator in the herpetology department. Dr. Frost comes to the museum from the Museum of Natural History in Lawrence, Kan., where he was acting curator-in-charge of the herpetology department.

Dr. Frost's recent studies focus on the phylogenetic relationships among the Tropiduridae, a family of iguanian lizards in South America. He is studying two related groups of genera within this family.

One, the *Stenocercus* group (composed of three genera and 41 species), live primarily in high valleys of the Andes and in Patagonia. The other, the *Tropidurus* group (composed of six genera and roughly 37 species), is found in relatively low elevations on either side of the Andes.

By studying the evolutionary relationships among these two groups of lizards, Dr. Frost hopes to illuminate the biogeographical history of South America.

Dr. Frost has conducted extensive field work throughout the southwestern United States and Mexico, and northern Central America. Just before joining the museum he conducted field work in southeastern Peru.

He is a member of the editorial board of the American Society of Ichthyologists and Herpetologists' publication,

Copeia, and a member of the International Herpetological Committee of the World Congress of Herpetology.

In 1987, Dr. Frost was awarded the Ernst Mayr Award from the Society of Systematic Zoology.



Darrel R. Frost

Durrance, and written by Ms. Durrance and Dr. Prinz.

In addition to the new theater, three interactive video monitors, each with a different program, will be installed in the hall. The videos will be produced by Ms. Durrance and Dr. Prinz. Ms. Durrance created the popular interactive video on the Jews of Asia in the Gardner D. Stout Hall of Asian Peoples.

Since its opening, the Arthur Ross Hall of Meteorites has been visited by more than six million people. The focal point is the 34-ton Cape York, or "Ahnighito," meteorite, the largest meteorite ever recovered. It is flanked by companion meteorites, "The Woman" (three tons), and "The Dog" (a half ton). The hall also houses a variety of other meteorites, moon rocks and a series of exhibits on the origins and significance of meteorites.

The Department of Mineral Sciences holds a world-renowned collection of meteorites, and conducts research in meteoritics, mineralogy, petrology and geochemistry.

In conjunction with the changes in the exhibition space, additional office space was created in the tower behind the hall. Remick Architects & Planners produced the design for the theater and offices. Construction work for the project was performed by the museum's construction crew, exhibition department, and audio visual department.

PLANETARIUM CO-HOSTS 10TH ANNUAL INTERNATIONAL PLANETARIUM DIRECTORS' CONGRESS

The planetarium co-hosted the 10th annual International Planetarium Directors' Congress in September. During the week-long conference, held Sept. 17 through 24, planetarium directors from around the world were hosted by five planetariums.

The host institutions were the Smithsonian Institution, the Science Museum of Virginia, the Maryland Science Center, the Franklin Institute, and the American Museum-Hayden Planetarium.

The day at the planetarium began with breakfast in the Guggenheim Space Theater, followed by a demonstration of the planetarium's state of the art laser equipment. Papers were presented throughout the day, with the focus session given by William A. Gutsch, Jr., chairman of the planetarium.

Dr. Gutsch discussed the increasing use of computer generated images in planetarium shows, exhibits and lectures. He explained that special effects, at one time created with slides and special projectors, can now be created by new computer and laser technology. This innovation greatly increases the realism and variety of effects.

Delegates attended a special showing of animated images produced with the planetarium's computer-controlled video system which is one of the most sophisticated of any planetarium in the world. Depictions included planetary fly-bys, colliding neutron stars and global ozone changes.

The American Museum-Hayden Planetarium recently completed production with Lucasfilm, Ltd., of a new program for children and families, "Robots in Space." It uses computer-controlled video discs and standard planetarium special effects that allow a live presenter to have conversations with characters projected on the planetarium dome, and to control the pace of the program for audience participation.

The delegates saw the show, discussed the new development, and learned about production and post-production techniques.

MUSEUM INTRODUCES TWO PROGRAMS TO ATTRACT NEW AUDIENCES

The museum has initiated two programs to attract new visitors: Senior Citizen Month, which was held in September, and the ongoing dinner/theater special. The Office of Guest Services coordinates both programs.

One of the best bargains in town for evening entertainment is the museum's newly launched dinner/theater special on Friday and Saturday evenings.

For \$21 a person, visitors receive admission to the museum, and can treat themselves to a double feature in the Naturemax Theater and enjoy a unique dining experience in the American Museum Restaurant.

Visitors may also tour their favorite museum haunts, such as the dinosaur halls, the Halls of Minerals and Gems, and the special exhibition, "African Reflections," or enjoy a cocktail in the Hall of Ocean Life, under the gigantic blue whale suspended from the ceiling.

Tickets for the dinner/theater evening are on sale Fridays and Saturdays beginning at 3 p.m. Tickets are sold at the 81st Street entrance and in the 77th Street lobby.

Senior citizens enjoyed bargain prices at the museum last month during its first Senior Citizen Month. Two-for-one admission to the planetarium and the Naturemax Theater, and discounts at the American Museum Restaurant and the gift shops were offered.

MELINDA BLINKEN JOINS MUSEUM'S BOARD OF TRUSTEES



Melinda Blinken

Melinda Blinken, co-chair of the Women's Committee of the museum from 1970 to 1980, is the newest member of the Board of Trustees, it was announced by President George D. Langdon, Jr.

Mrs. Blinken joins a board of 49 elective members, 10 honorary members and six ex officio members. The Board of Trustees guides museum policy and carries financial responsibility for the institution.

Mrs. Blinken serves on the Women's Committee of the New York Zoological Society, and was a member of the committee's board from 1987 to 1988.

She is on the Patron's Board of the New York Botanical Garden, is a board member of Young Concert Artists, and a past member of the board of the Big Apple Circus.

Mrs. Blinken is a member since 1984 of the board of the Society of Memorial Sloan-Kettering Cancer Center. She is chair of its Thrift Shop. In 1986, she founded the Blinken Ovarian Cancer Research Center at New York University Medical Center.

Mrs. Blinken, a native of Los Angeles, attended UCLA. She is vice president and director of Lipsmackers, Inc., a Los Angeles company that manufactures gourmet dog biscuits. Mrs. Blinken and her husband, Alan J., managing director of Wertheim Schroder & Co., and a democratic candidate for the New York State Assembly, live in New York City.

HERE AND THERE

ANTHROPOLOGY: **Andrew Smith** joined as collections assistant...**William Weinstein** was promoted from assistant registrar for data to systems analyst in Anthropology...**Donald McGranaghan** was promoted from museum technician to senior artist.

BUILDING SERVICES: **Veena John** was promoted from museum attendant guard to secretary...**Irene McFee**, **Rebecca Merkison** and **Sadhu Vanesh** joined as museum attendant guards.

CONSTRUCTION: **William Graham** was promoted from assistant to the manager to assistant manager.

DEVELOPMENT AND PUBLIC AFFAIRS: **Grace Fisher** joined as associate director...**Ellen Wasserman** joined as development coordinator.

EDUCATION: **Victoria Mayer**, former scientific assistant in the Department of Mammalogy, was promoted to Junior High School Natural Science Program coordinator...**Nora Sheppard**, assistant coordinator for Junior High School Natural Science Program, gave birth to a boy, **Tristin William Sheppard**, July 22...**Rhonda Young**, special education instructor, gave birth to a boy, **Jeffrey Young Tarshis**, July 31.

EXHIBITION AND GRAPHICS: **Leslie Gerhauser** and **Joyce Cloughly** were promoted from senior preparators to principal preparators...**Audrey Jakab**, **Cathy Leone** and **Gary Pratico** were promoted from intern preparators to preparators...**Betty Derasmo** is a new graphic artist.

FINANCIAL OFFICE: **Christopher Crisci** joined as manager of management information systems...**Brenda Rivera** is the new administrative secretary.

FOURTH FLOOR RENOVATION GROUP: **Richard Slawski** was promoted from construction manager to construction director of the Fossil Hall-Library Renovation...**Marilyn Fox**, **Daniel Hess**, **Matthew Josephs** and **Dion Kliner** joined as exhibition assistants. **Susan Illman** is a new secretary.

GENERAL SERVICES: **Michael Valentine** was promoted from clerk to senior clerk...**Judith White Feather** is a new senior clerk...**Darnell Smith** is a new clerk...**Gregory Winston** joined as an assistant.

HERPETOLOGY AND ICHTHYOLOGY: **Peter Reinthal**, postdoctoral fellow, returned from a six-week expedition to Lake Baikal, in the Soviet Union, sponsored by the National Geographic Society...**Michael W. Klemens**, director of the Turtle Conservation Program, gave a paper at the Symposium on Turtles and Tortoises in Los Angeles...**Michael L. Smith**, Kalbfleisch Assistant Curator, returned from a two-week survey of fossil sites in Central Cuba...**Alejandro du-Bouchet**, curator of fishes at the National Museum of Natural History in Cuba, is visiting the department for two months...**Darrel Frost**, assistant curator, attended a meeting of the Society for the Study of Amphibians and Reptiles in New Orleans...**Roderic Page** is the new Thorne Research Fellow.

INVERTEBRATES: **Walter E. Sage**, senior scientific assistant, was named co-chairman and treasurer for the 1991 convention of the Conchologists of America. He was also

appointed bibliographic editor of the Journal of Medical and Applied Malacology and Malacological Review...**William K. Emerson**, curator, was recently elected to the board of trustees of the Delaware Museum of Natural History...**Neil H. Landman**, associate curator, presented papers at the third International Ammonite Conference recently held in Lyons, France. As part of the program, he participated in several field trips to collect ammonites.

LIBRARY SERVICES: **Miriam Tam**, assistant librarian for technical services, and **Priscilla Watson**, senior acquisitions librarian and **Sarah Granato**, senior reference librarian, attended the American Library Association convention in Chicago...**Joel Sweilmler** joined as art survey manager...**Daniel Marley** is a new senior clerk...**Lisa Roberts** is the new secretary...**Sharon Fitzpatrick** is a part-time library assistant.

MEMBERSHIP: **Rose Lazu** is a part-time membership assistant.

MINERAL SCIENCES: **George Harlow**, chairman, did field work in Guatemala...**Ed Mathez**, assistant curator, continued his field work in Zimbabwe...**Jim Webster**, assistant curator, did field work in Mexico...**Michael Weisberg**, scientific assistant, was recently invited to California Institute of Technology to collaborate on studies of primitive meteoritic materials.

MUSEUM SHOP: **Carol Ann Cortese**, **Rosa Perez**, and **Deborah Noval** joined as part-time sales assistants...**Allison Lee** and **JoAnn McKinney** joined as part-time supervisors. **NATURAL HISTORY MAGAZINE:** **Gerald Welling** is the new general manager...**Carol Barnette** is a new manuscript processor.

ORNITHOLOGY: **Francois Vuilleumier**, chairman and curator, studied temperate rainforest birds in the Tongass National Forest in southern Alaska during the summer...**Lester L. Short**, Lamont Curator, returned from three months of studying honeyguides in Kenya, where he also gave a lecture to the East African Natural History Society...**George F. Barrowclough**, associate curator, collected specimens and tissue samples of birds across Canada and Alaska as part of his continuing research project...**Richard O. Prum** and **C. Jeffery Woodbury**, Chapman Postdoctoral Fellows, did field work in the Gran Sabana of Venezuela...**Jean-Louis Martin**, Chapman Fellow, presented a paper at the recent Ecological Society of America meeting in Salt Lake City... Research Associates **Walter J. Bock** and **W. Parker Cane**, and graduate student **Carol Griffiths** attended, and Dr. Prum gave a paper at the fourth International Congress of Systematic and Evolutionary Biology, at the University of Maryland, College Park.

PERSONNEL: **Kimberly Daniels** was promoted from senior secretary to personnel records assistant.

PLANETARIUM: **Laura Deines** is a new intern.

PURCHASING: **Andrea Gorman** is the new secretary.

VERTEBRATE PALEONTOLOGY: **Lorraine Meeker** was promoted from senior museum technician to senior scientific assistant...**Bryn Mader** is a new technician.

VOLUNTEERS: **Peggy Conversano** joined as secretary.

MUSEUM COMMUNITY MOURNS THE DEATH OF TWO FROM EXHIBITION DEPARTMENT

The Department of Exhibition and Graphics mourns the passing of two members, **Ralph Bauer**, exhibition manager, and **Vicente Morales**, principal artist.

Mr. Bauer served as exhibition manager for 16 years, during which time he oversaw the installation of numerous special exhibitions including, "Pompeii AD79," "Ancestors: Four

Million Years of Humanity" and "Dark Caves, Bright Visions."

Mr. Morales joined the museum in November, 1977. Over 13 years, he worked in the department of graphics, producing creative design pieces for virtually every department in the museum.

Mr. Bauer and Mr. Morales will be sorely missed.

PLANS FOR \$60 MILLION CAMPAIGN AND FOSSIL HALLS RECONSTRUCTION ANNOUNCED

The museum has announced plans to reorganize and restructure its unparalleled halls of dinosaurs and other fossil vertebrates, bringing new scientific knowledge and exhibition techniques to this world-renowned display.

The announcement was made by President George D. Langdon, Jr., at a press briefing in the Hall of Late Dinosaurs on Nov. 28.

The new halls will be preceded by the unveiling, in late 1991, of a dramatic new five-story-tall dinosaur display in the Theodore Roosevelt Memorial Hall.

The project, which will take five years, will also include the construction of an eight-story addition to the museum's outstanding natural history library, which holds a vast and widely consulted collection of published and archival records on the natural sciences.

To finance the fossil halls project and other programs, the museum is launching a four-year, \$60 million campaign, the largest fund-raising effort ever undertaken by the museum.

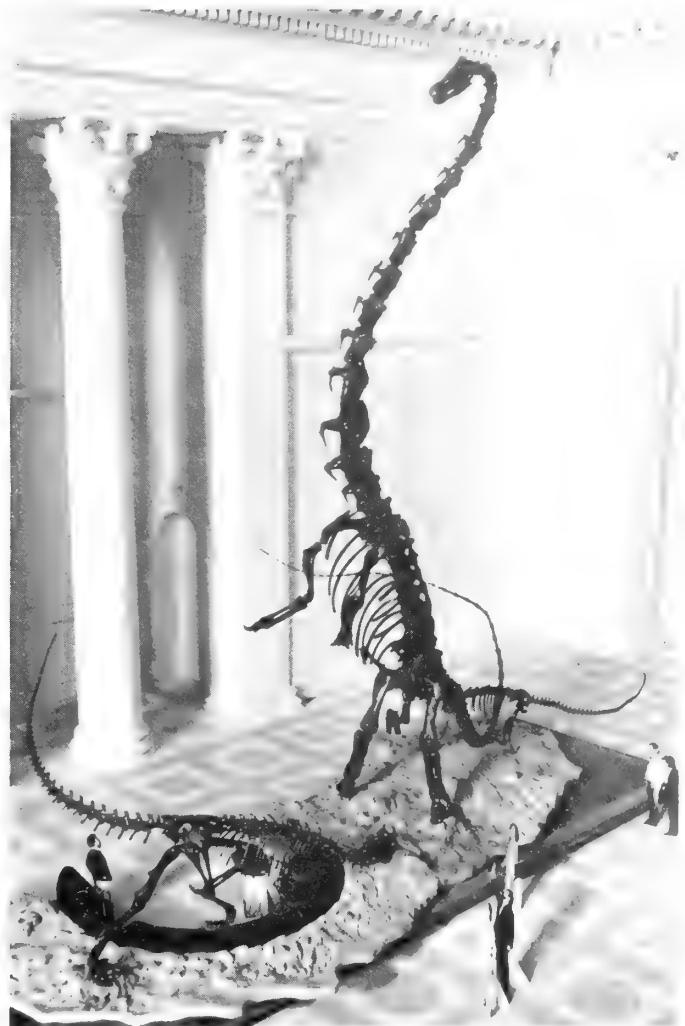
"The American Museum of Natural History is truly a place of wonder — the world's largest private museum, with 121 years of exploration and research, an incomparable collection of scientific specimens, and a vigorous tradition of science education," said President Langdon. "The museum is entering on a new course that will build on its strengths, and renew the commitment of those who preceded us to understand the past and protect the future of life on earth."

"These new programs — renovation of the fossil halls, expansion of the library, plans for new exhibitions, education programs, and expeditions — rank among the most ambitious endeavors in the museum's history."

Projects planned as part of the new museum-wide program of exhibition and research include:

- An increased commitment to address environmental concerns. One reflection of this commitment will be the world's first major museum exhibition on global warming, scheduled to open in 1992.
- A new permanent exhibition, the Hall of Human Biology and Evolution, which will examine the place of humans in the natural world. The hall is scheduled to open in the fall of 1992.
- Expeditions to carry out long-range studies in such scientifically crucial and previously inaccessible regions as Outer Mongolia and Cuba.

"The project to restructure the fossil halls is an exciting opportunity to share with the public the great strides that have occurred in science since the halls were built," said Aldona Jonaitis, vice president for public programs.



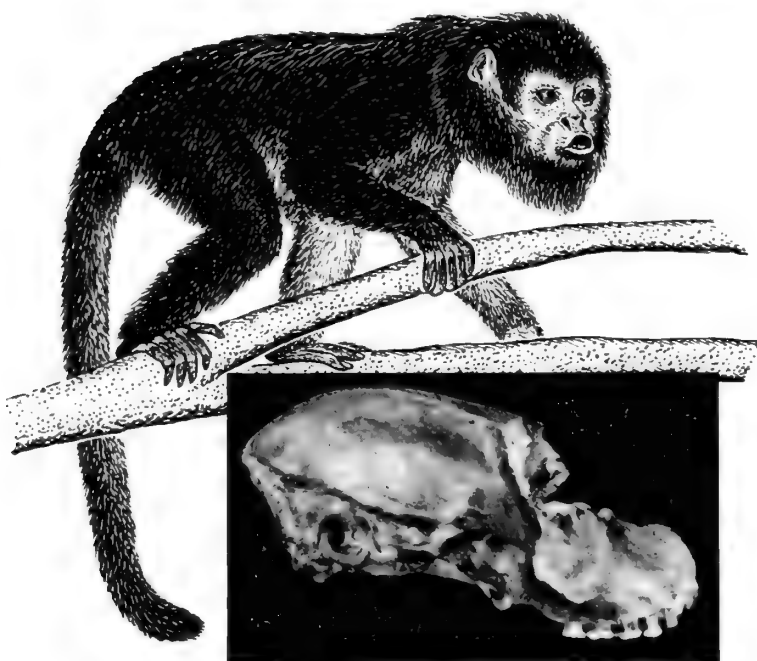
Model of the *Barosaurus* mount as it will appear in the Theodore Roosevelt Memorial Hall in late 1991.

"America is becoming increasingly illiterate in scientific areas," she added. "The museum's new halls will address this pressing need for scientific awareness. The latest exhibition techniques and interactive displays will educate the public about evolution and the diversity of life."

The reconstructed fourth floor will have six individual halls, including two halls of dinosaurs, an orientation center, a hall focusing on fossil fish and amphibians, and two halls of fossil mammals.

(continued on page 5)

MUSEUM SCIENTISTS DISCOVER RARE PRIMATE FOSSILS IN CUBA



Reconstruction of extinct Cuban monkey. (Inset: Skull of extinct monkey.)

Significant fossil remains of a new species of monkey have been found in Cuba during a paleontological expedition by scientists from the museum and Cuba.

The recently discovered monkey is a representative of the platyrrhines, or New World monkeys. Well-known examples of this group include the organ-grinder's monkey and the spider monkey. The new monkey was probably a distant relative of the living howler monkeys of South and Central America.

On the basis of an unusually well-preserved skull and the other bones recovered, Ross D.E. MacPhee, curator in mammalogy, estimates that the Cuban monkey weighed approximately 10 pounds, a moderate body size for this group. Skeletal evidence suggests that the newly discovered monkey was rather slow-moving compared to some of its energetic, acrobatic relatives in the same subfamily.

The monkey fossils were first discovered in caves near Viñales in western Cuba by members of a Cuban speleology club. With the help of the cavers, the research team visited Cueva del Mono Fósil (Cave of the Fossil Monkey) and recovered more than 80 additional specimens.

Other American Museum of Natural History expedition members were Michael L. Smith, Kalbfleisch Assistant Curator in the Department of Herpetology and Ichthyology, and Mark A. Norell, assistant curator in the Department of Vertebrate Paleontology.

Cuban researchers included Manuel Rivero de la Calle of the University of Havana, and Manuel Iturralde-Vinent and Riberto Arencibia of the Museo Nacional de Historia Natural in Havana.

The arrangement with the Cuban scientists is a breakthrough in large-scale research opportunities for American scientists in Cuba, and marks the first such arrangement in nearly four decades.

Dr. Smith is organizing a complete survey of the biodiversity of Cuba, that will involve members of many museum departments, and researchers from the Smithsonian Institution and the New York Botanical Garden. He explains that almost 90 percent of the native land mammals of the Caribbean island have died out, and native birds and reptiles have also suffered severe losses.

(continued on page 6)

THREE NEW MEMBERS JOIN BOARD OF TRUSTEES

Three new members have joined the Board of Trustees, it was announced by President George D. Langdon, Jr. One of the new members will fill a newly designated ex officio position.

The new members are: Lewis W. Bernard, a director of the Morgan Stanley Group; David A. Hamburg, M.D., president of the Carnegie Corporation of New York, and Peter F. Vallone, majority leader and speaker of the City Council.

Mr. Bernard, who is also a managing director of Morgan Stanley & Company, is active in community programs and projects. He is vice chairman of the Central Park Conservancy, an institution created in 1980 to develop and fund a program to rebuild Central Park. He is also a trustee of Teachers College, Columbia University.

Dr. Hamburg has been president of the Carnegie Corporation since 1983. He is a member of the advisory board of the Center for Health and Human Resources Policy of Harvard University, and serves as a member of the Board of Governors of the New York Academy of Sciences, and the Board of Trustees of Stanford University.

Dr. Hamburg was president of the Institute of Medicine of the National Academy of Sciences from 1975 to 1980, and director of the Division of Health Policy Research and Education at Harvard University from 1980 to 1982.

His many awards and honors include: the President's Medal for the Advancement of Biomedical Research, the Michael Reese Medical Center, Chicago; the Menninger Award of the American College of Physicians; the Distinguished Leadership Award of the United States Department of Health and Human Services, and the World Health Organization's Health for All Medal.

As speaker of the City Council, Mr. Vallone heads the legislative branch of New York City Government. He was a leading proponent of charter reform, which resulted in expanding council powers over the city's budget and land use issues. He also sponsored major legislation dealing with public campaign financing, smoking regulations, and improved shelter conditions for homeless families. Mr. Vallone created a special homeless advisory commission of government, business, civic and homeless advocates.

Mr. Vallone joins the board in a new post as the seventh ex officio member. Other ex officio members are: Mayor David N. Dinkins; Manhattan Borough President Ruth N. Messinger; Comptroller Elizabeth Holtzman; Mary Schmidt Campbell, Commissioner of the Department of Cultural Affairs; Betsy Gotbaum, Commissioner of the Department of Parks and Recreation, and Public Schools Chancellor Joseph A. Fernandez.

NEW DIRECTOR IN DEPARTMENT OF EXHIBITION AND GRAPHICS

Samuel M. Taylor is the museum's new director of exhibition and graphics. As director, he supervises the exhibition, graphics, and audio-visual departments, and the reproduction shop.

Before coming to the museum, Dr. Taylor served as biology director of the New York Hall of Science, in Flushing.

Dr. Taylor holds a masters degree in zoology from the Marine Science Institute of the University of California, Santa Barbara. He earned his doctorate in science education from the University of California, Berkeley.

He has worked as a research biologist for the Montana Fish and Game Department, and as a research assistant at the Marine Science Institute, at U.C., Santa Barbara.

Throughout his career, Dr. Taylor has held posts at a wide array of museums. He was a research assistant at the Lawrence Hall of Science, and consultant to the University Art Museum, both in Berkeley, Calif. He also served as a research associate at the California Academy of Sciences in San Francisco, and as program specialist for teaching programs and evaluation

at the Carnegie Museum of Natural History, Pittsburgh.

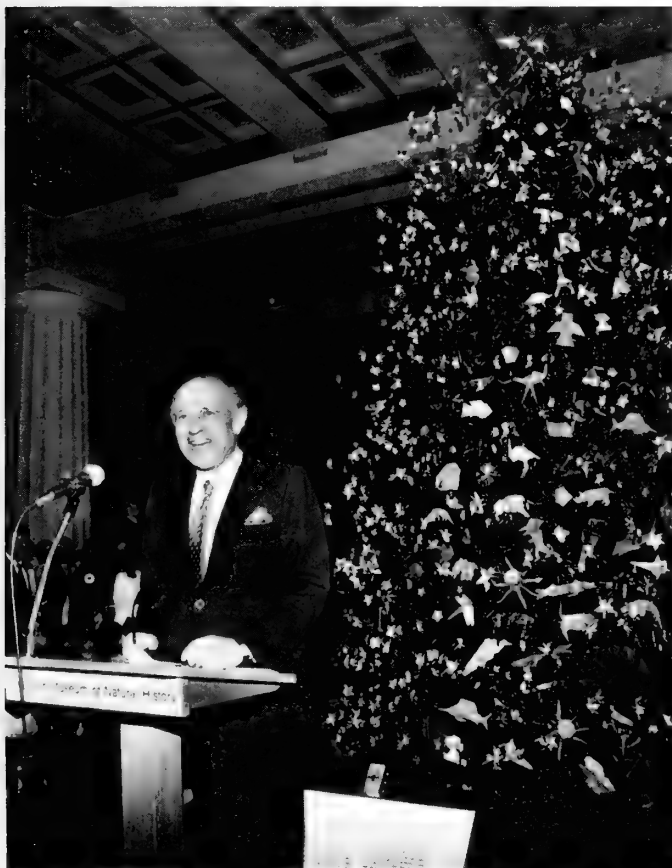
"My background as an ichthyologist and a science educator gives me insight into both exhibition and curatorial departments, and I hope to keep a close connection between us," says Dr. Taylor.

A key element of Dr. Taylor's doctoral research was understanding the behavior of visitors to exhibitions. At the museum, he will work to develop exhibitions through a process he calls "formative evaluation." The procedure tests ideas with visitors through focus groups, exhibit prototypes, and surveys.

The museum is currently surveying visitors to determine their knowledge about global warming for the special exhibition that will be presented in 1992.

Dr. Taylor is especially interested in applications of interactive electronic media. Touch-screen interactive exhibits are being developed for the museum's permanent halls, and for temporary exhibitions, including "Global Warming: An Exhibition on Global Climate Change."

TRUSTEE ARTHUR ROSS LIGHTS EIGHTEENTH ANNUAL ORIGAMI HOLIDAY TREE



Trustee Arthur Ross addresses an audience of museum visitors, employees, and school children before lighting the Origami Holiday Tree.

Trustee Arthur Ross lit the 18th annual Origami Holiday Tree in a ceremony on Nov. 19 in the Theodore Roosevelt Memorial Hall. The tree, an Arthur Ross Exhibit of the Month, will remain on view through Friday, Jan. 4.

Museum visitors, volunteers, employees and children from neighborhood schools attended the ceremony that traditionally marks the start of the museum's holiday season.

This year's tree honors Alice Gray, senior scientific assis-

tant emerita, and her 53-year association with the museum. Miss Gray originated the Origami Holiday Tree tradition with a three-foot-tall tree bedecked with origami insects in her office in the entomology department.

Following in the tradition of the original tree, this year's 15-foot-tall tree is festooned with a large assortment of origami spiders, beetles, bugs and insects. The tree is also decorated with fish, birds, elephants, dinosaurs and other objects representative of the museum's collections.

RECYCLING PROGRAM OFF TO A PROMISING START

During the first week of the museum's recycling effort alone, 4.25 trees were saved. It takes 17 trees to produce one ton of paper, and some 500 pounds of paper were collected from 18 recycling stations around the museum. As the program expands, weekly totals will rise.

Sidney S. Horenstein, coordinator of environmental programs, is in charge of the recycling program, which began in September.

"Seemingly small efforts like recycling play a significant part in the museum's efforts to preserve the richness and diversity of the natural world," said Mr. Horenstein. "It takes a minimal change of routine to get into the recycling habit, and it can have very tangible results."

Right now the museum is collecting white paper products, such as laser printer paper, computer paper, photocopying paper, typing paper, and letterhead.

The program will be expanded to include other paper products, such as colored and glossy paper, magazines, newspapers and cardboard, as well as glass and aluminum containers.

A word of caution, if any paper that is not recyclable mistakenly gets tossed into a recycling bin, the whole batch is thrown out. There is no need to remove paper clips and staples because they are sifted out during the recycling process.

Pam Parlakian, assistant manager of General Services, is assistant recycling coordinator. If there are any questions, call either Ms. Parlakian or Mr. Horenstein, or the recycling liaison in your department.

LIBRARY RECEIVES NEA GRANT FOR FINE ART INVENTORY

The library has received a \$25,000 grant from the National Endowment for the Arts to inventory the museum's extensive collection of fine art.

There are more than 1,000 works of art in the museum's 22 buildings. Some pieces are on public display, such as the flamingo mural by Louis Agassiz Fuertes in the Sanford Memorial Hall of the Biology of Birds. Others are in department collections, including George Catlin's American Indian paintings in the anthropology department. Still others are in storage areas throughout the museum.

"In the library's effort to curate the art collection, we saw a need for a centralized record for all the works," says Nina J. Root, chairwoman of the library. "The result of this project will be a complete inventory and condition report on the museum's art."

Preliminary research has been conducted by Ms. Root and Stephen C. Quinn, assistant manager in the museum's Department of Exhibition and Graphics. Ms. Root supervised a search of the museum's storage areas to record locations of artwork in 1985. In 1987, Mr. Quinn compiled an unpublished report, "A Guide to the Background Painters and Mural Artists of the Exhibit Halls of the American Museum of Natural History."

Valerie Wheat, assistant librarian for reference services, is the project director for the NEA-funded survey.

According to Ms. Wheat, the project will help the museum plan for conservation and storage of the artwork in the museum's new library building. It will also make the art more readily available for museum exhibitions, for loans to other institutions and for scholarly research.

Joel D. Sweimler has been hired as art survey manager. Before coming to the museum, Mr. Sweimler served as curator at Olana State Historic Site in Hudson, N.Y., and curator/director at Mission San Luis Rey Museum, San Luis Rey, Calif.



Tapiet, (pronounced Ta-pea-ette), a Kayapó Indian leader from Brazil, places a ceremonial headdress on the Kayapó warrior mannequin in the Hall of South American Peoples. Tapiet visited the museum in September with another Kayapó leader, Kube'i, (pronounced Koo-bay-e) to present the museum with a necklace made of wild pig teeth. As a surprise, Tapiet donated his own headdress to the mannequin and Kube'i added a pair of beaded ear ornaments to complete the decoration. Although the Kayapó leaders were very impressed with the museum's mannequin, they felt the addition of traditional warrior ornaments would complete the exhibit. The Kayapó Indians gained international attention in their fight to prevent the Brazilian government from constructing dams along the Xingu River basin.

MONGOLIAN OFFICIALS PAY VISIT TO MUSEUM TO DISCUSS FUTURE COLLABORATIONS



Stephen Brois, (second from left) principal preparator in the exhibition department, explains how mannequins are made for the Hall of Human Biology and Evolution to representatives from the State Central Museum of Mongolia in Ulan Bator. The Mongolian museum officials visited the museum to meet Aldona C. Jonaitis, vice president for public programs. They discussed the possibility of future collaboration on exhibitions between the two institutions. They also met members of several scientific departments, toured the planetarium, and visited the library and the photo archives. They were the guests of honor at a dinner hosted by President George D. Langdon, Jr. The visit was the result of meetings with Mongolian officials this summer during the museum's expedition to Mongolia. The visitors, left to right are: P. Davaasambu, general director of the State Central Museum; S. Solongo, translator, and Ts. Jargalsaikhan, a representative of the State Central Museum.

"DOONESBURY DINOS": THE GREENING OF THE PARK

The grounds surrounding the museum receive hundreds of thousands of visitors a year. To help meet these visitors' needs, neighbors of the museum formed Friends of Museum Park, Inc., an organization dedicated to beautifying the city park on which the museum stands.

Funding for the project will come in part from the sale in the Museum Shop of a line of colorful, imaginative gifts conceived by Garry Trudeau, creator of the comic strip "Doonesbury."

Mr. Trudeau, whose comic strip is read by more than 40 million Americans each week, is a Pulitzer Prize winner. He has created a series of designs with graphic artist George Corsillo featuring "Zonker Harris," one of his most popular characters, and "Doonesbury Dinosaurs," to be used exclusively to promote the work in Museum Park.

Among the "Doonesbury Dinosaurs" products are a clothing line. Other items include a coffee mug, a large tote bag, children's lunch bags, post cards, buttons and magnets, all sporting drawings of Zonker and dinosaur companions.

Friends of Museum Park was founded by Peter Wright, a management consultant who is chairman of the Riverside Park Fund and co-chairman of the 77th Street Block Association; Michael Broomfield, a media consultant who serves as its vice president and secretary, and Mr. Trudeau.

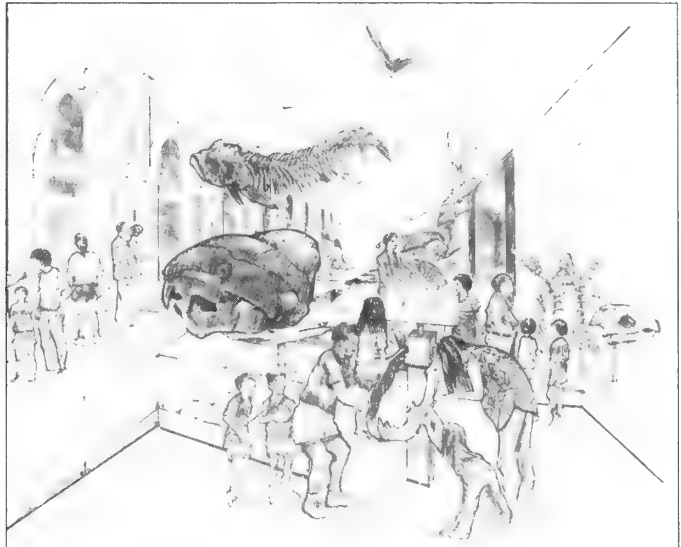


Coffee mug (top) and tote bag, part of the "Doonesbury Dinosaurs" collection.

PLANS ANNOUNCED (continued from page 1)



Rendering of a design conception for an exhibit of mammoths, mastodons and other early relatives of elephants, for a hall of mammals on the fourth floor



Rendering of a design conception of the new fourth floor hall that will focus on fossil fish and amphibians.

To present a coherent story, halls and passageways not currently connected will be joined to form a unified loop. A main pathway, in the form of an evolutionary tree, will connect the six halls and explore major evolutionary developments. The exhibits will place these events in geologic time, and explore how events in earth history may have influenced the evolution of life.

During the entire course of the fourth floor reconstruction, there will always be a dinosaur exhibition on view. As work proceeds, museum visitors will be able to watch the work in progress.

"Throughout the museum's history, the study of the diversity of life has been central to the work of its scientists," said Michael J. Novacek, vice president and dean of science. "These researchers have continuously refined, challenged and revolutionized the way in which we understand evolution.

"The museum's scientific strength and its outstanding collection of fossils enable us to create exhibitions unlike any others in the world. The new fossil halls will draw on the museum's resources, and use the paths of evolution as the physical structure and philosophical theme of the exhibitions."

"For Caribbean vertebrates," said Dr. Smith, "the biodiversity crisis that is taking place in the continental tropics has already come and gone. What is left in the West Indies today is only the barest residue of what was originally there."

Understanding the forces that caused the extinctions in the Caribbean may provide a historical perspective that will help in the drive to avert the waves of extinction threatening areas such as the Amazon Basin.

The expedition also sought fossil remains in deposits of Jurassic age, from 195 to 135 million years old, that previously yielded giant sea reptiles and the flying reptiles known as pterosaurs.

Dr. Norell explained, "Cuba has greater geological diversity than any other island in the Caribbean Sea, and there is good reason to believe that it has the longest vertebrate fossil record. We have set out to find this record, which is now essentially unknown."

CHILDREN'S CHRISTMAS PARTY

The annual Christmas Party for children of museum families was held on Thursday, Dec. 20.

The Bond Street Theatre Coalition presented a mini-circus in the Main Auditorium for an audience of hundreds of young people.

Refreshments were served in the Hall of Ocean Life. Activities on the Ocean Life balcony included face painting, mask making and origami.

As Santa Claus, Alan Ternes, editor of *Natural History* magazine, gave presents to all the children.

Ernestine Weindorf, assistant to the publisher of *Natural History* magazine, and Jean Augustin, senior technician in the Department of Mammalogy, organized the Christmas Party. Photographs from the party will appear in the next issue of *Grapevine*.

HERE AND THERE

ANTHROPOLOGY: **Paul Goldstein** is a new Boeschenstein Research Fellow. . . **Christopher Steiner** is a new Kalbfleisch Research Fellow. . . **Linda Nieuwenhuizen** was promoted from conservation assistant to assistant conservator. . . **Sheila McCormick** was promoted from secretary to exhibition assistant.

BUILDING SERVICES: **Michael Jefferson** is a new museum attendant guard.

CONSTRUCTION: **Stephen Sawch** joined as construction manager. . . **Lee Fitzgerald** is the new secretary. . . **Ernest Eifert** and **Luis Huaman** are new museum maintainers.

EDUCATION: **Beth Steinhorn** is a new museum instructor.

ENTOMOLOGY: **Norman I. Platnick**, chairman, attended a meeting of the Willi Henning Society in Canberra, Australia. Dr. Platnick, **Robert Raven**, research associate, and **Pablo Goloboff**, graduate student, also collected spiders in New Caledonia. . . **David A. Grimaldi**, assistant curator, attended the second international Congress of Dipterology, in Bratislava, Czechoslovakia, where he gave a talk on cladistics and the classification of the Drosophilidae.

EXHIBITION AND GRAPHICS: **Joel Pollick** is a new graphic artist. . . **Osvaldo Valle** is the new secretary. . . **Betty Derasmo** was promoted from graphic artist to principal artist.

FOURTH FLOOR RENOVATION GROUP: **David McCornack** was promoted from preparator to exhibition assistant.

GENERAL SERVICES: **Sandra Williams** is the new secretary. . . **Gregory Winston** was promoted from general services assistant to clerk.

GUEST SERVICES: **Jill Scioscia** is a new guest services assistant. . . **Andrea Lillo** is the new secretary.

HERPETOLOGY & ICHTHYOLOGY: **Melanie L. J. Stiassny**, assistant curator, and **Peter N. Reinthal**, post-doctoral fellow, recently returned from a three-week survey of the Mangoro River in Madagascar. They were joined by **Gavin Naylor**, Kalbfleisch Research Fellow in the Department of Vertebrate Paleontology. . . **Charles J. Cole**, curator, and **Carol R. Townsend**, associate, recently returned from three months of studying unisexual lizards at the Southwestern Research Station.

LIBRARY SERVICES: **Elena Dominguez** is a new art survey project assistant. . . **Debra Colchamiro** is the new reference librarian. . . **Amy Horowitz** is a new part-time library assistant.

MAMMALOLOGY: **Cynthia Gerstner** is a new scientific assistant.

MEMBERSHIP: **Susan Bissett** is a new part-time membership assistant. . . **Raymond Cordero** is a new part-time membership desk assistant.

MINERAL SCIENCES: **George E. Harlow**, chairman, recently gave a lecture to the Gemological Society of Great Britain at the Natural History Museum in London. . . **Martin Prinz**, curator, attended the 53rd Meteoritical Society meeting in Perth, Australia. . . **James Webster**, assistant curator, attended a conference in Winnipeg on pegmatites, and another in Ottawa, on ore deposits, and collected specimens at the Tancò pegmatite in northern Winnipeg. . .

Yongshan Dai is a new Kalbfleisch Research Fellow. . . **Nilanjan Chatterjee** is a new part-time curatorial assistant.

MUSEUM SHOP: **Barbara Hunt** is a full-time sales assistant. . . **Kilolo Abylden**, **Linda Clarke**, **Smita Gupta** and **Laura Flowers** are new part-time sales assistant. . . **John Tumminia** is a new part-time clerk typist.

NATURAL HISTORY MAGAZINE: **Edward Buller** joined as business manager. . . **Leigh Cheng** is the new secretary.

ORNITHOLOGY: **Francois Vuilleumier**, chairman, and **Allison V. Andors**, senior scientific assistant, presented a paper, "Avian Biological Relationships between Africa and South America" at the 37th annual Systematics Symposium of the Missouri Botanical Garden in St. Louis. . . **C. Jeffery Woodbury**, Chapman Fellow, and **Robert W. Dickerman**, research associate, collected birds in Arizona and New Mexico for ongoing study of the avian spinal cord and its taxonomic significance. . . **Jean-Louis Martin**, Chapman Fellow, attended the annual meeting of the Ecological Society of America, in Snowbird, Utah. He also gave a seminar on bird community structure in old growth forests, at the Marine Science Center in Newport, Oregon. . . **Richard Sloss**, associate, led a 7-member field trip of the Linnaean Society of New York to Cape May, N.J.

PAYROLL: **Tom Herrera**, payroll assistant, and his wife, Denise, are the parents of a son, David Tomas, born Sept. 26.

PLANETARIUM: **Suzanne Gurton** is the new astronomical writer/producer.

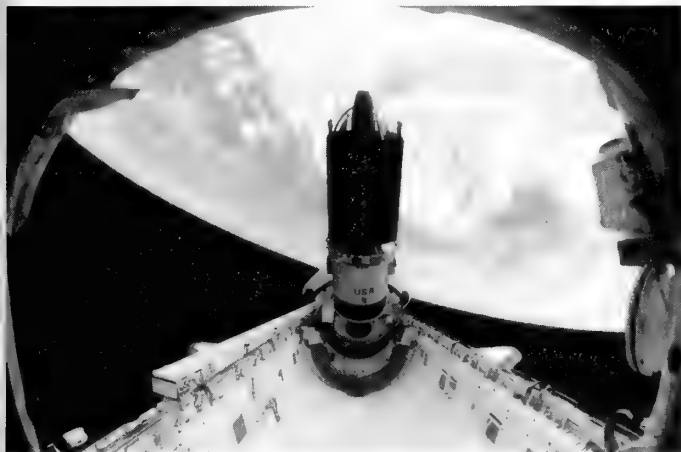
VOLUNTEERS: **Alice Grey**, senior scientific assistant emerita in entomology, has retired as a volunteer due to health reasons. She can be contacted at Fairfield Manor nursing home in Norwalk, Conn.

Grapevine

American
Museum of
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January / February 1991

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ASTRONAUT ELLEN BAKER LAUNCHES NEW IMAX FILM, "BLUE PLANET," AT SPECIAL SCREENING

Dr. Ellen S. Baker, one of the astronauts featured in the new Naturemax film "Blue Planet," attended a special screening of the film at the museum on Jan. 8. With Dr. Baker, who is a physician, was her two-year old daughter, Karen, and her mother, Queens Borough President Claire Shulman.

"Blue Planet" presents views of the Earth taken during five space shuttle missions, as well as footage shot on the ground and beneath the seas. It records developing weather systems as seen from space, and their effects on the surface of the Earth. Familiar landmarks such as the Florida peninsula and the Strait of Gibraltar are seen from a breathtaking perspective.

From the far reaches of space, the film views some of the human activities that may be taxing the Earth's delicate environmental systems to the limit. Smoke from fires to clear the rainforest, and silt eroded from deforested regions clogging the world's river basins, are visible from space. Viewed at night, the glaring lights from coastal cities outline the continents like a neon atlas.

"Blue Planet" is showing at the Naturemax Theater daily, every hour on the half hour between 10:30 a.m. and 4:30 p.m. It is part of a triple feature on Fridays and Saturdays at 6 p.m. and 7:30 p.m. with "Silent Sky," a bird's eye view of California, and "Weaving Ants," a look at the intricate social system of ants.



TOP PHOTO: From "Blue Planet," the deployment of a tracking and data relay satellite, as filmed from inside the space shuttle Discovery's cabin. A circular storm system can be seen to the upper right of the satellite.

BOTTOM PHOTO: Michael A. Rapkiewicz, projectionist, meets Dr. Baker, right, her daughter Karen, and her mother, Queens Borough President Claire Shulman, at the screening.

ANTHROPOLOGY DEPARTMENT GETS A NEH GRANT

The museum is one of 14 cultural institutions to receive a grant from the National Endowment for the Humanities' new National Heritage Preservation Program.

The grants are to "help institutions across the country safeguard our nation's cultural heritage," said NEH Chairman Lynne V. Cheney.

The Department of Anthropology will use the three-year grant of \$492,389 to store and computer inventory the museum's North American Indian ethnology collection. The 27,000 objects—including beautifully woven baskets, intricately carved masks and feathered headdresses—will be computer cataloged and placed in compact storage in a

climate controlled facility.

"This is a very important step in the anthropology department's long-range plans to preserve its collections in perpetuity," said Paul F. Beelitz, associate registrar. "This grant will also make it much easier for curators and visiting researchers to study a very important collection."

The Department of Anthropology is at the midpoint of a 25-year program to move its entire collections into modern storage, and enter each object into a computerized database. Work on African, Siberian, Northwest Coast and Inuit materials has already been completed.

PROJECTED SCHEDULE FOR NEW FOSSIL HALLS AND LIBRARY

The museum has embarked on a major project to reorganize and restructure its halls of fossil vertebrates and construct an eight-story addition to the library. The halls will be restructured in the form of an evolutionary tree, tracing the rise of significant evolutionary developments. State of the art exhibition techniques will be used to display hundreds of new specimens and reflect new scientific knowledge. A projected schedule for the new halls follows:

*Barosaurus Exhibit and
Theodore Roosevelt*

Memorial Hall Opens Late 1991

Halls of Early and

Late Mammals Closed . . . February 1, 1991,
through October 1993
Open . . . November 1993

Hall of Early Dinosaurs Closed . . . February 1, 1991,
through March 1992
Limited Viewing—April 1992,
through January 1994
Closed . . . February 1994,
through September 1994
Opens . . . October 1994

Hall of Late Dinosaurs Open through March 1992
Closed April 1992,
through October 1994
Opens . . . November 1994

Orientation Center Opens Late 1995

Hall of Primitive Vertebrates . . Opens Late 1995

New Library Building Opens January 1993

MUSEUM ENTOMOLOGIST RESCUES PLANE CRASH VICTIMS

Two brothers whose single-engine Cessna crashed in Arizona's Chiricahua Mountains were rescued by Louis N. Sorkin, senior scientific assistant in the Department of Entomology, and his friend, writer Richard Spatz.

Mr. Sorkin and his friend were driving from the museum's remote Southwestern Research Station into the nearest town, Portal, Ariz. (population 300), at 8:30 a.m. on Nov. 8, when two men emerged from the shadows of a forested slope. They were badly bruised and had broken bones.

The men, Robert and Carl Rowe, had survived the crash of their plane and had hiked and crawled through the mountains for four days after the crash. Besieged by snow, hail, hunger, and hallucinations, the Rowes remained undiscovered by 15 planes as well as ground search parties. Following mountain stream courses, the men were able to descend the mountain and reach the road where Mr. Sorkin was traveling.

Mr. Sorkin drove them two miles into Portal, where emergency medical technicians administered care for three hours.



Matthew, 5, left, and Gregory, 3, the sons of Gerard Mandese, museum maintainer in construction, enjoy their cake and ice cream.



Jazmin Rose, 3, granddaughter of George Gordon, senior museum attendance guard, shows off her balloon crown.



Carmen, 3, left, and Tasha, 5, daughters of William Cruz, porter in the Food Express, have a popcorn treat.



Nirvana Shaw, 2, niece of Gregory Winston, clerk in General Services, strikes a pose in her balloon hat.



Twins Christina and Madelyn Gonzalez, 4-year-old daughters of Carmen Robles, museum attendant guard, wait to speak to Santa.

CHILDREN'S CHRISTMAS PARTY MEANS HOLIDAY FUN

Hundreds of children and their families attended a special holiday season tradition, the annual Christmas Party, held this year on Dec. 20.

The evening began in the Main Auditorium, where the Bond Street Theatre Coalition held the audience spellbound with a mini-circus.

Later, in the Hall of Ocean Life, the children enjoyed cake, ice cream, hot dogs, soda and other refreshments as they waited to tell their holiday wishes to Santa Claus, Alan Ternes, editor of *Natural History* magazine.

Ernestine Weindorf, assistant to the publisher of *Natural History*, and Jean Augustin, senior museum technician in mammalogy, performed the enormous task of organizing the party.



David Thomas, 4, son of David Hurst Thomas, curator in anthropology, puts on a holiday grin.



Annette Piotrowski, 2, niece of Aldona Tancula, senior museum attendant clerk, puts on her own show before the circus.



Daniel Kelly, 10, left, and Vaughn Branch, 12, nephews of Beverly South, senior sales assistant in the Museum Shop, are starry-eyed over the party.

RESCUE (continued from page 2)

Ambulances from surrounding towns came to help, and a medical helicopter was summoned to fly the brothers to Tucson Medical Center for surgery.

Mr. Sorkin was in the area to pick up an arachnid collection from Willis J. Gertsch, curator emeritus in the museum's Department of Entomology, who retired to Portal.

RECORD-SETTING UNITED WAY FUND DRIVE

Despite a gloomy economic forecast, museum employees once again dug deep into their pockets and came up with another record-setting United Way campaign.

The \$18,214 collected and pledged was up \$1,272 from the \$16,942 donated in 1989. Chairman for the drive was Stephen C. Quinn, assistant manager in the Department of Exhibition and Graphics. Neil H. Landman, assistant curator in the Department of Invertebrates, served as assistant chairman.

Next year, Dr. Landman will head up the drive and Albert Grenz, assistant manager in the construction department, will serve as assistant chairman.



A TREE GROWS IN ICELAND

While traveling in Iceland, three museum Highlights Tour guides plant a downy birch in the name of the American Museum of Natural History as a contribution to Iceland's reforestation program. From left are, volunteer Joe Green, forester Orn Einarsson, and volunteers Ruth Green and Sheila Solomon.

HERE AND THERE

ANTHROPOLOGY: Laila Williamson was promoted from scientific assistant to senior scientific assistant...**Dawn Renschler** was promoted from senior clerk to museum technician...**Gary Sawyer** was promoted from museum technician to senior museum technician...**Wendy Morton** is a new conservation intern...**Roslyn Sigal** is a new part-time material cultures analyst.

BUILDING SERVICES: Rolando Asa was promoted from museum attendant guard to senior museum attendant guard...**Juma Mohammed** joined as assistant manager...**Jimmy Jimenez** is a new museum attendant guard.

CONSTRUCTION: Wellington Aguiar is a new museum maintainer.

EDUCATION: Hasifa Rahman is the new alternate weekend supervisor for the Frederick H. Leonhardt People Center.

ENTOMOLOGY: David Yeates is the new Theodore Roosevelt Research Fellow.

EXHIBITION AND GRAPHICS: Martin Cassidy was promoted from senior principal preparator to director of reproductions...**Rose Wadsworth** was promoted from administrative assistant to coordinator of traveling exhibitions...**Kevin Coffee** was promoted from coordinator for exhibition maintenance to manager of exhibition...**Jeffrey Jones** joins as exhibition software designer...**Laura Friedman** is a new preparator...**Gisella Lombardo** is the new administrative secretary.

FINANCIAL OPERATIONS: Mary Wriedt is the new budget analyst.

GENERAL ACCOUNTING: Sharon Anderson was promoted from clerk to senior clerk...**Michelle Robertson** is a new clerk.

GENERAL SERVICES: Vincent Tumillo, senior technician, retired after 27 years at the museum...**Jackie Beckett** was promoted from museum technician to senior museum technician...**Gregory Winston** was promoted from general services assistant to clerk...**Kelvin Rolls** joined as senior clerk.

GUEST SERVICES: Amy Rudnick, assistant manager of guest services, married Ben Hillman.

HERPETOLOGY AND ICHTHYOLOGY: Michael W. Klemens was promoted from senior scientific assistant to director, Turtle Conservation Program. He received his doctorate in ecology at the University of Kent, Canterbury, England, in October...**Michael L. Smith**, Kalbfleisch Assistant Curator, returned from a two-week expedition to Cuba where he continued the biological inventory of that island...**Linda Ford**, Kalbfleisch Research Fellow, gave the paper, "Interrelationships of the Major Clades of Frogs," at a recent American Society of Zoologists symposium in San Antonio...**Mario Pinna** is a new part-time curatorial assistant.

LIBRARY SERVICES: Keith Kowal was promoted from part-time library assistant to senior clerk...**Sherri Wright** and **Donald Jacobsen** are new part-time library assistants...**Pamela Davis** and **Kenneth Walker** are new senior clerks.

MAINTENANCE: Elizabeth Drummond is the new secretary.

MEMBERSHIP: Traci Buckner, Paula Hernandez and Iris Rutkoski join as part-time membership assistants.

MUSEUM SHOP: Robin Colossa, Gonzolo Fernandes, Paulette Hodge, Sharon Lopez, Kenya Lynch, Tammy Meadows and Chante Smith are new part-time sales assistants...**Gershon Griffith** is a new sales assistant.

NATURAL HISTORY MAGAZINE: Richard Milner is a new senior editor.

OFFICE OF THE VICE PRESIDENT AND DEAN OF SCIENCE: Brenda Williams joined as secretary to Michael J. Novacek, vice president and dean of science.

PAYROLL: Thomas Herrera was promoted from payroll assistant to payroll and benefits associate.

PLANETARIUM: Garfield Turpin is a new part-time planetarium assistant.

PURCHASING: Angela Lewis is a new purchasing associate.

VOLUNTEER SERVICES: Lucy Adams is the new manager...**Janet Ching** is a new part-time information desk supervisor.

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LIBRARY

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Museum of
Natural
History

MARCH / APRIL 1991

Vol. 48, No. 2

DINOSAUR SKULL REMOVED



Members of the Fossil Hall Renovation Group remove the skull of the *Apatosaurus* in one of the first steps to bring the mount up to date for the new dinosaur halls. From left are: Paul Zawisha, senior exhibition assistant, Dion Kliner and James Shepherd, exhibition assistants. The *Apatosaurus* skeleton was discovered in 1898 without a skull. When it was mounted in 1905, scientists made the best possible guess as to what the skull was like and a plaster model was put on the mount. Subsequent research and fossil finds indicate the real skull was probably very different from the model. The model will be replaced with a cast of the skull now believed to be correct. Other modifications will include increasing the number of neck vertebrae and lengthening the tail.

EXHIBITION ON TROPICAL RAIN FORESTS OPENS

"Tropical Rainforests: A Disappearing Treasure," an exhibition that explores the diversity of life and the threats to the delicate ecology of the world's rain forests, is on view at the museum through Sunday, June 2.

Researchers estimate that nearly half the world's plant and animal species live in tropical forests. "Tropical Rainforests" examines this concentration of life, focusing on such lush environments as Madagascar, the Congo basin, the Amazon basin, and the dense jungles of Borneo.

"Tropical Rainforests" also examines the cultures of the peoples who live in the rain forests, exploring the lifestyles of tribes indigenous to these regions and of recent settlers. The exhibition illustrates the ties that widely varying cultures, including our own, have with rain forests.

Many human activities take their toll on rain forests: timber

(continued on page 3)



Dryas julia butterfly, part of the tremendous biodiversity of the rain forest
Credit: Kjell Sandved, Smithsonian Institution



Flowers in the rain forest of Mulu National Park, Borneo Credit: Steve Brosnahan

THREE LONGTIME STAFF MEMBERS OF THE MUSEUM RETIRE

Marjorie M. Ransom, supervising museum instructor in the Education Department, retired in February after working at the museum for 44 years.

She joined the museum in November, 1946, working at the Information Desk. She later became a staff instructor in the Education Department and earned her Master's degree from Teachers College, Columbia University.

Ms. Ransom organized numerous education projects during her time at the museum. She developed special programs for the handicapped, and in the 1970s, developed a training course for summer jobs at the museum for teenagers.

In recent years, Ms. Ransom was responsible for recruiting, training and supervising the corps of 60 teaching volunteers who work with school classes. She also taught college accredited courses for teachers, among them, "The American Museum as a Resource for Teachers."

Ms. Ransom also supervised the Discovery Room. In this facility, young visitors can participate in activities that teach them about the natural sciences on weekends, and during the week special education programs for the visually and hearing impaired are held.

Ms. Ransom's retirement from the Education Department follows that of Kenneth A. Chambers, assistant chairman of education, who retired last year after 38 years with the museum.

Mr. Chambers joined the museum in September, 1952, as office assistant in education, later becoming a senior instructor. In 1973, he was promoted to supervising museum instructor, and in 1985 he became assistant chairman.

He played a large role in the establishment of college accredited courses for teachers in the New York City school system.

During his tenure in the Education Department, Mr. Chambers delivered numerous talks in the department's lecture series, led field trips in the tri-state area, and participated in Discovery Tours to Alaska and Antarctica.

Mr. Chambers continues his involvement with the museum, working with Discovery Tours, and conducting lectures for the Education Department's Lecture Series.

On the curatorial staff, Frederick H. Rindge, George Willet Curator in Entomology, retired in December. He joined the museum as an assistant curator in 1949, became associate curator in 1953 and curator in 1962. He worked for 41 years in the museum's Entomology Department.

Dr. Rindge's main research interest is the systematics and distribution of New World moths of the family Geometridae. His revisionary studies on this family provide a means of proper identification of a large and poorly known lepidopteran group.

Through extensive field collecting in the Rocky Mountains and other areas, he has added more than 100,000 entomological specimens to the museum's collections.

In 1986, Dr. Rindge was awarded the Karl Jordan Medal, given by the Lepidopterists' Society, for his research achievements.

He is a member and has held office in numerous professional and honor societies, including the New York Entomological Society, Pacific Coast Entomological Society, Southern California Academy of Sciences, Society for the Study of Evolution, American Association for the Advancement of Science, and the Lepidopterists' Society.

Dr. Rindge is the author of more than 100 papers in entomology and associated disciplines. He will continue to conduct research at the museum as a curator emeritus.

NEW MEMBER JOINS MUSEUM'S BOARD OF TRUSTEES

José A. Cabranes, United States District Judge for the District of Connecticut, has joined the museum's Board of Trustees.

Judge Cabranes joins a board of 49 elective, 10 honorary, and seven ex officio members. The Board of Trustees guides museum policy and carries financial responsibility for the institution.

Judge Cabranes was appointed to the U.S. District Court in 1979. Before his appointment, he served as the First General Counsel of Yale University, a position which he had held since 1975.

He has practiced law in New York City, and served as special counsel to the governor of Puerto Rico and as head of the Washington office of the Commonwealth of Puerto Rico from 1973 to 1975. He was associate professor of law at Rutgers University Law School from 1971 to 1973.

Other appointments held by Judge Cabranes include consultant to the New York State Commission on the Powers of Local Government, and public member of the United States Delegation to the Conference on Security and Cooperation in Europe.

Judge Cabranes is a fellow of the Yale Corporation and



a trustee of the Twentieth Century Fund in New York City. He also served as a trustee of Colgate University in Hamilton, N.Y.

He is a member of the American Law Institute and the Council on Foreign Relations, and is a fellow of the American Bar Foundation.

In 1986, Judge Cabranes was elected by the Judicial Conference of the United States to serve as a member of the Board of Directors of the Federal Judicial Center in Washington. The National Puerto Rican Coalition awarded Judge Cabranes a Life Achievement Award in 1987. He has been awarded honorary doctorates by Colgate University, Trinity College and the University of New Haven.

Judge Cabranes earned an A.B. from Columbia College, a J.D. from Yale Law School, and a M.Litt. in International Law from the University of Cambridge. He and his wife, Kate Stith, a member of the faculty of Yale Law School, live in New Haven.

AIDS WALK NEW YORK

The sixth annual AIDS Walk New York will take place on Sunday, May 19. Anyone wishing to register should call the AIDS Walk office at (212) 807-WALK.

MUSEUM VISITORS CELEBRATE SPRING WITH ORIGAMI

The museum's origami volunteers celebrated spring by sharing their skills and enthusiasm with visitors at the origami tables.

Volunteers taught visitors how to make such springtime favorites as butterflies, baskets, birds, bunnies and balloons, as well as frogs, strawberries and tulips. Pastel-colored origami paper added to the seasonal flavor.

Located near the first floor Information Desk in the Theodore Roosevelt Memorial Hall, the origami tables were in session during museum hours from Saturday, March 23, through Sunday, April 7.

The volunteer office decided to introduce a spring origami

session because of the popularity of the Origami Holiday Tree tables.

"Over the holiday season, the origami tables were so popular with children and adults that we couldn't satisfy the demand," said Lucy Adams, manager of Volunteer Services. "We decided to add a session during school spring vacation and gear it to the season."

Volunteers almost immediately filled the sign-up sheet to teach at the spring origami tables.

"Origami volunteers have such patience and enthusiasm," said Michael Shall, the museum's origami specialist. "They love to teach something new to people."



Young visitors hold up origami sailboats they learned to fold at the spring origami table

TROPICAL RAIN FORESTS (continued from page 1)

operations, cattle ranching, war, poorly planned agricultural practices and development projects, the world debt crisis, and human population growth. The complicated issues surrounding these problems are examined in the exhibition.

Case studies present the immediate consequences and long-term global results of rain forest destruction: climate change, soil erosion, massive extinctions, loss of genetic diversity, disruption of the water cycle, famine, and even economic collapse of governments.

A special section developed by Robert L. Carniero, curator in the museum's Department of Anthropology, examines the agricultural methods of indigenous peoples of the Amazon and other rain forests, and places the human relationship to rain forests in a historical context.

In conjunction with the exhibition a number of special programs were presented, including a bus tour to tropical rain forests in New York City, a lecture series on tropical deforestation, a symposium on solutions to save the world's rain forests, and a series of six films examining tropical forests.

"Tropical Rainforests: A Disappearing Treasure," was organized by the Smithsonian Institution Traveling Exhibition Service in cooperation with the World Wildlife Fund.



View of the rain forest canopy in Mulu National Park, Borneo Credit Steve Brosnahan

ORNITHOLOGY STAFF MEMBERS ATTEND CONGRESS IN NEW ZEALAND

Fourteen members of the Department of Ornithology attended the 20th International Ornithological Congress in Christchurch, New Zealand. The IOC, one of the most important ornithological events, is convened every four years. With 1,200 registrants from around the world, the congress was said to be the largest scientific gathering in New Zealand.

Each Department of Ornithology member who attended presented a paper, convened a symposium or chaired a round table discussion. At the close of the congress, a dinner was held in honor of the participants from the museum.

Department members who participated were: Chairman Francois Vuilleumier; Lester L. Short, Lamont Curator of Birds; George F. Barrowclough, associate curator; Allison V. Andors and Mary LeCroy, senior scientific assistants; Jean-Louis Martin, Richard O. Prum, and C. Jeffery Woodbury, Chapman Research Fellows; Patricia Escalante-Pliego, Rosemarie Gnam and Mary Katz, graduate students; Walter J. Bock and G. Stuart Keith, research associates, and Ben King, associate.

They presented papers on the following topics: speciation in Patagonian birds (Vuilleumier); the history of southern beech forest bird faunas (Vuilleumier); new species of birds (Vuilleumier and LeCroy); geographic distribution and speciation of piciforms, the order of birds that includes woodpeckers and honeyguides (Short); anatomical differentiation in bird populations (Barrowclough); paleobiology and relationships of the extinct giant ground bird *Diatryma* (Andors); cranial and cervical anatomy of hornbills (Bock and Andors); niche expansion in a Mediterranean insular and land bird community (Martin); geographic variation in Eurasian titmice (Martin); evolutionary analysis of manakin display behavior (Prum); a novel taxonomic character in the spinal cord of birds (Woodbury); nesting behavior of the Bahama Parrot (Gnam); geographic variation in Australian Striated Pardalote anatomy, song and mtDNA (Katz), and speciation in *Geothlypis* warblers in Mexico (Escalante-Pliego).

HERE AND THERE

ANTHROPOLOGY: Peter Siegel is a new part-time collections assistant.

BUILDING SERVICES: Edemar Arbuzow, Michael Epps, Syed Islam, and Steve Pigasiou were promoted from museum attendant guards to senior museum attendant guards.

DEVELOPMENT AND PUBLIC AFFAIRS: Julia Forster joined as development coordinator.

EDUCATION: Craig Vitamanti is the new coordinator for education volunteers. Before coming here, Mr. Vitamanti was the director of education at the Brooklyn Children's Museum....Malcolm Arth, chairman, attended the International Documentary Film Festival in Amsterdam to view films for the 15th Margaret Mead Film Festival....Ismael Calderon, coordinator of community programs, represented the museum at a recent meeting in Sarasota on a proposed program for science training of young people.

ENTOMOLOGY: Andrey Sharkov was promoted from part-time curatorial assistant to collections conservation assistant....Christopher Boyko is a new part-time curatorial assistant.

EXHIBITION AND GRAPHICS: Deborah Barral was promoted from preparator to coordinator of exhibit maintenance....Steven Quinn, assistant manager, and his wife Linda, are the parents of a girl, Claire Elizabeth, born Jan. 26.

FINANCIAL OPERATIONS: Robert Gebbie joined as director of financial operations....Jean Jeremi is the new staff accountant....Raymond Murphy, Jr. is the new capital budget analyst.

FOSSIL HALL RENOVATION GROUP: Steven Singer joined as exhibition assistant.

GENERAL SERVICES: Craig Cheseck is a new photographer.

HERPETOLOGY AND ICHTHYOLOGY: Gareth Nelson, chairman, returned from a six-month stay at the University of Melbourne....Charles J. Cole, curator, recently spent three weeks working on the biochemical genetics of South American unisexual lizards in the laboratory of Herbert Dessauer, research associate, at Louisiana State University Medical Center in New Orleans....Lorraine Buckley, Carlos Rodrigues, Lucrecia Rodrigues and Grace Tilger joined as part-time curatorial assistants....Anthony Zammit is a new scientific assistant....Natalie A. Angstreich joined the Turtle Conservation Program as the Sabin Conservation Intern.

LIBRARY SERVICES: Nina Root, chairwoman, and Valerie Wheat, assistant librarian for reference services, attended the American Library Association's conference in Chicago....Donald Jacobsen was promoted from part-time library assistant to assistant to the chairwoman....Hilda Minarik is a new cataloging librarian....Valerie Simms is the new secretary....Susan Woods is a new part-time library assistant.

MAINTENANCE: Carmen Khan is a new cleaning supervisor.

MINERAL SCIENCES: Gertrude Poldervaart, senior secretary in the department from 1965 to 1982, died at her home in Colorado on Jan. 9. She was the widow of Professor Arnie Poldervaart, a prominent petrologist who instructed several of the department's staff members, among them Curator Martin Prinz, and Research Associates A.M. Langer and C.E. Nehru....Craig Johnson was promoted from research fellow to curatorial fellow.

MUSEUM SHOP: Paula Intranuovo was promoted from full-time sales assistant to assistant manager....John Tumminia was promoted from part-time clerk typist to senior clerk....Annmarie Batkay joined as assistant manager....Rosa Lee is a new part-time sales assistant....Jean Buckley is a new part-time supervisor.

NATURAL HISTORY MAGAZINE: Peggy Conversano was promoted from secretary to assistant designer....Bari Edwards joined as general manager....Debra Baida is a new editorial assistant....Jeffrey Chapman is the new secretary.

OFFICE OF THE PRESIDENT: Margaret Blanco joined as a secretary.

PLANETARIUM: Dennis Davidson, astronomical artist, and Brian P.M. Sullivan, production designer, are two of the 90 international artists included in the recently published "In the Stream of Stars: The Soviet/American Space Art Book."

VERTEBRATE PALEONTOLOGY: Xiaoming Wang is the new Frick Research Fellow.

VOLUNTEERS: Leycester Parker, a volunteer who served the museum since 1977, retired in January. Mr. Parker worked at the Information Desk and as a Highlights Tours guide. He also wrote to young people, answering their questions about the museum.

NEW SENIOR VICE PRESIDENT FOR DEVELOPMENT AND PUBLIC AFFAIRS

Myra J. Biblowit, executive vice president of the Central Park Conservancy, will join the museum as senior vice president for Development and Public Affairs on July 1.

She will lead the four-year, \$60 million fund raising campaign to finance the fossil halls and library project, and other projects including new exhibitions, education programs, and scientific expeditions. The campaign is the largest fund raising effort undertaken in the museum's history.

Mrs. Biblowit joined the Central Park Conservancy in 1986 to lead its successful five-year, \$50 million capital campaign, and to develop its community and public relations programs. The Conservancy is a nonprofit organization founded in 1980 to work with the New York City Department of Parks and Recreation to restore and maintain Central Park.

From 1979 to 1986, Mrs. Biblowit was director of development at the Mount Sinai Medical Center.

She also served as president of the Greater Southeast Community Center for the Aging, and assistant to the president of the Greater Southeast Community Hospital Foundation in Washington.

Mrs. Biblowit earned a masters degree in social welfare at Brandeis University's Florence Heller Graduate School for Advanced Studies in Social Welfare.

She and her husband, Charles, a professor of international law at St. John's University School of Law, live in Manhattan. They have two children, Rachel, 9, and Michael, 5.

Mrs. Biblowit succeeds David Estridge who has accepted a position as senior vice president of Development and Public Relations at Brigham and Women's Hospital, Boston.



Myra J. Biblowit

EARLIEST KNOWN LIFE FORMS FOCUS OF MACK LIPKIN LECTURES

The museum's annual Mack Lipkin Man and Nature Lecture Series was delivered by J. William Schopf, a University of California at Los Angeles professor renowned for his far-reaching investigations into the history of life on earth. Dr. Schopf is director of the Center for the Study of Evolution and the Origin of Life at UCLA's Institute of Geophysics and Planetary Physics.

Dr. Schopf spoke on "The Earliest Known Fossils: Solution to Darwin's Dilemma," on June 10, and "The 'Arrested Evolution' of Earth's Earliest Organisms: If It's Not Broken, Don't Fix It!" on June 11.

He discussed discoveries over the past two decades that have uncovered fossils from rocks as old as 3.5 billion years.

He described the way these fossils were discovered, and the connection they have to the basic organization of the present-day biologic world.

Dr. Schopf also addressed the fact that life forms of the Precambrian era remained virtually unchanged over billions of years, in contrast to Darwin's theory of endless evolutionary change.

The Mack Lipkin Man and Nature Lectures bring prominent scientists to the museum to discuss their work and its impact on the critical challenges facing humanity. The lectures are representative of the museum's continuing commitment to inform the public of current research and knowledge in the natural sciences.

NATIONAL ASTRONOMY DAY IS CELEBRATED AT THE PLANETARIUM

The planetarium played host to thousands of visitors for a special day-long program of workshops and illustrated talks in celebration of National Astronomy Day in April.

All of the activities centered around the theme of solar sailing—a means of space flight using only the pressure of sunlight as a propellant.

Visitors attended the planetarium's Sky Show double feature, which includes "The Wind from the Sun," an adaptation of Arthur C. Clarke's science fiction short story of the first internationally piloted race from the earth to the moon powered by sunlight. When Clarke wrote the story in 1963, the notion of sailing through space using only the pressure of the sun's light was just a dream. New technology can make this possible, and a solar sail mission to the moon and Mars is scheduled for 1994.

The new technology was discussed in an illustrated talk by Rob Staehle, president of the World Space Foundation. Mr. Staehle explained the design of the sail, the flight plan, and the foundation's commitment to solar sailing as a means of exploring space and preserving the environment.

Brian P.M. Sullivan, planetarium production designer, presented a talk, "Mission to Planet Earth," on NASA's new program to use satellites to study and measure the earth's movement.

Adults and children got answers to questions about space and discussed astronomical matters with William A. Gutsch, Jr., planetarium chairman, at a special space science booth. Young visitors learned more about solar sailing in workshops where they constructed model sails.

Visitors of all ages signed up to send photographs and personal messages into space on the solar sail mission.

Sign-up forms are still available, says Dr. Gutsch; museum staff members who would like to send messages on the mission should contact the planetarium.



A young visitor makes a solar sail model

NEW MEMBERS ARE INDUCTED INTO THE QUARTER CENTURY CLUB

Three new members were welcomed into the Quarter Century Club at a reception and dinner held in the Akeley Hall of African Mammals in April. Some 90 members and guests attended the event.

The inductees are: Susan Koelle Bell, senior scientific assistant in the Department of Vertebrate Paleontology; Lester L. Short, Jr., Lamont Curator of Birds in the Department of Ornithology, and Richard H. Tedford, chairman of the Department of Vertebrate Paleontology. The club's active membership is now 163.

President George D. Langdon, Jr., and William J. Moynihan, vice president and director, welcomed and thanked club members for their long-standing dedication to the museum. Michael J. Novacek, vice president and dean of science, recognized the professional commitment of the new members.



Michael J. Novacek, congratulates Susan K. Bell on becoming a new member



Lester L. Short, shakes hands with William J. Moynihan who welcomes him into the Twenty Five Year Club



Marjorie Ransom, former supervising museum instructor in education, trades memories and a handshake with Robert E. (Ed) Williamson, who retired as production manager of *Natural History* magazine in 1974

FOR VOLUNTEERS: AN EVENING TO REMEMBER

Barbara Worcester, after volunteering at the museum for 27 years, has one of the longest terms of service. Karen Polyak is one of the newest volunteers. The women were among some 300 volunteers and staff members who attended the annual reception for museum volunteers, held this year in the Hall of Mexico and Central America. Both women received a warm greeting from President George D. Langdon, Jr., (photo right). Those at the event heard Mr. Langdon express heartfelt thanks on behalf of the entire museum community for the volunteers' selfless efforts in almost every area of museum activity. During the party, Volunteer Manager Lucy A. Adams announced the creation of a category of "retired" volunteers—Volunteer Emeritus—and cited those who had been nominated from selected departments for outstanding service.



MYSTERIES SOLVED AND WATER SAMPLES TESTED ON ID DAY

Visitors brought in objects of every possible description for museum staff to examine and identify on ID Day, June 1.

This year, in addition to museum identification efforts, experts from the Department of Environmental Protection were present to test water samples for chlorine level, phosphates, pH, and turbidity.

ID Day was organized by Nathaniel Johnson, Jr., special programs coordinator in the Department of Education, and Sidney S. Horenstein, coordinator of environmental programs.



Sidney S. Horenstein, right, a geologist who is coordinator of environmental programs, examines a fossil specimen brought in by a visitor.

RICHARD GILDER, JR., JOINS BOARD OF TRUSTEES

Richard Gilder, Jr., partner in the brokerage firm of Gilder, Gagnon, Howe & Co., is the newest member of the museum's Board of Trustees.

Mr. Gilder joins a board of 50 elective, 10 honorary, and seven ex officio members. The Board of Trustees guides museum policy and carries financial responsibility for the institution.



Richard Gilder, Jr.

Mr. Gilder earned his B.A. in history at Yale University in 1954. He was a stockbroker in the Wall Street firm of A.G. Becker & Co., before founding his own firm in 1968.

He is chairman of the Manhattan Institute, and a trustee of the Central Park Conservancy.

Mr. Gilder and his wife, Virginia, live in Manhattan.

MUSEUM MOURNS TWO

Mark Floyd, preparator in the Department of Exhibition and Graphics, died on May 11. He was 32. Mr. Floyd joined the exhibition department as an intern preparator in May, 1988, and was promoted to preparator in May, 1989.

He worked on many of the projects to renovate the museum's permanent exhibitions, including the restoration of figures in the Haida War Canoe. He also contributed to the installation of traveling exhibitions; he helped create the "War" section of "Tropical Rainforests."

Ella Parr, wife of Director Emeritus Albert E. Parr, died on May 2, in Wilder, Vermont. She was 90. She is survived by her husband, and four children, Hedvig, Nils Albert, Thomas and Victoria Johanne Neumann. Dr. Parr was director of the museum from 1942 to 1959, when he became senior scientist. He retired from the museum in 1968.

NEW BOOK ON SCIENCE AND TECHNOLOGY ADVICE BY MUSEUM'S BOARD CHAIRMAN

An "informal, unofficial organization of science and technology advisers to the top levels of government of the major countries of the world," is proposed by William T. Golden, chairman of the museum's Board of Trustees, in the introduction to "Worldwide Science and Technology Advice to the Highest Levels of Governments."

Mr. Golden's proposition has led to a meeting of top-level science advisers from a half dozen major countries. The conference was held under the auspices of the Carnegie Commission on Science, Technology, and Government, and co-chaired by D. Allan Bromley, science adviser to President Bush, and Yuriy Osipyan, special adviser on science to President Gorbachev.

Mr. Golden is the editor of the new book, which describes and examines the top-level science and technology advisory organizations of some 35 nations. The authors for each country represented in the book are generally the equivalents of the science adviser to the President of the United States.

"It is hoped that it [the book] will encourage international cooperation and stimulate discussion in many countries, each of which can learn from others," Mr. Golden says in his introduction.

Pergamon Press, the publisher of the new volume, also published Mr. Golden's books, "Science Advice to the Presi-

dent" (1980), and "Science and Technology Advice to the President, Congress, and Judiciary" (1988).

In addition to his work with the museum, Mr. Golden designed the first Presidential Science Advisory organization for President Harry S. Truman in 1950. He also served as past chairman of the New York Academy of Sciences.

Mr. Golden received the Distinguished Public Service Award of the National Science Foundation in 1982. Currently, he is co-chairman (with Joshua Lederberg) of the Carnegie Commission on Science, Technology, and Government, and director and treasurer of the American Association for the Advancement of Science.

HOW TO GET TO METEORITES, MINERALS AND GEMS:

Construction has begun on the new Hall of Biology and Human Evolution. For approximately one year, there will be no access through section 4 to the Arthur Ross Hall of Meteorites, the Harry Frank Guggenheim Hall of Minerals, and the Morgan Hall of Gems. Staff may use the section 6A elevator and stairs to reach these areas, the public may enter section 6A from the second and third floors. Access through the Hall of Human Biology and Evolution is scheduled to be restored in April.

HERE AND THERE

ANTHROPOLOGY: Roslyn Sigal was promoted from part-time material culture analyst to material culture analyst.

DEVELOPMENT AND PUBLIC AFFAIRS: Laura James joined as assistant director of development. . . Elizabeth Chapman was promoted from public affairs associate to public affairs coordinator. . . Corinne Lewkowicz joined as public affairs coordinator. . . Grace Fisher, associate director, and Monte Wasch were married on March 23.

DISCOVERY TOURS: R. Todd Nielsen, manager, and Patricia Dooley were married on Feb. 14, on the island of Nevis.

ENTOMOLOGY: Curators David Grimaldi and Lee Herman, Kalbfleisch Curatorial Fellow James Miller, and Scientific Assistant Julian Stark returned from three weeks of fieldwork in the Cordillera Central on the Osa Peninsula of Costa Rica. Dr. Grimaldi and Mr. Stark collected specimens of flies representing genera found in Dominican amber. Dr. Herman collected staphylinid beetles, the classification of which he is revising. Dr. Miller gathered specimens of a group of day-flying moths not commonly collected. The four collected a total of some 30,000 specimens. . . Jerome G. Rozen, Jr., curator, Eric Quinter, scientific assistant, and Andrey Sharkov, collections conservation assistant, spent a week surveying insects and arthropods on St. Catherine's Island. . . Dr. Rozen also collected bee specimens on a three-week field trip in southern Arizona and California.

GENERAL SERVICES: Denis Finnin, assistant manager in charge of the photography studio, attended a two-day seminar at Bergen Community College on photographing and documenting historic structures with a view camera. The seminar was given in cooperation with the National Preservation Institute.

HERPETOLOGY AND ICHTHYOLOGY: Carlos Rodriguez, part-time curatorial assistant, was awarded a Raney Grant by the American Association of Ichthyologists to support his fieldwork on endangered fish in Haiti. . . Michael W. Klemens, director of the Turtle Conservation Program, attended the Third Freshwater Turtle Conference in South Carolina, and the Desert Tortoise Council meetings in Nevada.

MAINTENANCE: Kimberly Daniels was promoted from personnel records assistant to administrative secretary. . . Emilio Ciena is a new cleaning supervisor. . . Vernice O. Dorsett is a new secretary. . . Steven D. Filchuk is welcomed as assistant museum maintainer.

MUSEUM SHOP: Alex Aponte, Elsie Gutierrez, and Sylvia Perez are new part-time sales assistants. . . Judy Soffian is a new part-time clerk typist.

PERSONNEL: Rebeca Becerra was promoted from secretarial floater to personnel records assistant.

ORNITHOLOGY: Rosemarie Gnam, graduate student, was recently awarded a Congressional Science Fellowship by the American Institute of Biological Sciences. She will help advise Congress on environmental and ecological issues during a one year term. . . Lamont Curator of Birds Lester L. Short, returned from two weeks at Cornell University's Library of Natural Sounds where he analyzed and edited vocal data from African honeyguides. He and his wife, Jennifer, also spent 10 weeks studying honeyguides at the Gallmann Memorial Foundation Ranch in central Kenya.

PLANETARIUM: Lizardo Mata is a new part-time sales assistant.

VOLUNTEERS: Belinda Macklin joined as secretary. . . Catherine M. Combs, a Highlights Tour guide who served the museum since 1987, died on May 5. . . Margaret Tobin, a volunteer who served the museum since 1983, retired in April.

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VOL. 48, NO. 4

THOMAS D. NICHOLSON, DIRECTOR OF MUSEUM FOR TWO DECADES, DEAD AT 68

Thomas D. Nicholson, director of the Museum for 20 years until his retirement in 1989, died July 9, at home in Woodcliff Lake, N.J. He was 68 years old.

A Memorial Service for Dr. Nicholson will be held at the Museum on a date to be announced.

Dr. Nicholson's stewardship of the Museum was marked by increased visitor attendance, expanded educational activities, and innovative permanent and special exhibitions.

His tenure also saw the restructuring and consolidation of scientific departments, advances in conservation of the vast collections that total 30 million artifacts and specimens, growth of the endowment fund, and expansion of internal revenue centers.

When Dr. Nicholson retired in June, 1989, he was named Director Emeritus. He maintained an office at the Museum and served as an advisor and consultant to the institution.

"Even in retirement after more than 35 years on the staff of the

American Museum of Natural History—20 of those years as director—Dr. Nicholson remained a towering figure in the museum world," said President George D. Langdon, Jr. "The natural sciences and the cultural community have lost an innovator, a leader and, indeed, a friend."

William J. Moynihan, who became director when Dr. Nicholson retired, said: "Tom Nicholson was a wonderful mentor for me. He drew upon his many years of experience to make my transition at the Museum an easy one. He was truly a larger-than-life person."

William J. Golden, chairman of the Museum's Board of Trustees, said of Dr. Nicholson: "He was a man of character and wisdom who was supremely devoted to his family and to the Museum. We will miss his warm and loyal friendship and will cherish his memory."

Dr. Nicholson came to the Museum in 1954 as an associate astronomer in the Planetarium, and later served as its director.

He was named assistant director of the Museum in 1969, with special responsibility for supervision of its field research stations, publications, Library, Planetarium, and education programs. A year later, upon the retirement of James A. Oliver, he was appointed director.

Dr. Nicholson is survived by his wife, Branca, two daughters, Mrs. Gail Mack, of Manhattan, and Mrs. Diana Field, of New City, N.Y.; two sons, Lester, of Long Valley, N.J., and Glen, of New Milford, N.J., two grandchildren and four brothers.

His family has asked that contributions in Dr. Nicholson's memory be made to the Thomas D. Nicholson Fund through the Office of Development.

[Dr. Nicholson is one of two former Museum directors to die in July. Albert E. Parr, director from 1942 to 1958, died on July 16, see story on page four.]

* * * *

Dr. Nicholson was born Dec. 14, 1922, in New York City. He received a B.S. Degree from the U.S. Merchant Marine Academy at Kings Point, N.Y., and attended St. John's University College where he earned a B.A. Degree summa cum laude. He earned his M.S. Degree in 1953, and Ph.D. in 1961 at Fordham University.

In the merchant marine during World War II, he worked for the Moore-McCormack Steamship Company. His wartime travels took him to Australia, North Africa, and Brazil, where he met his wife, the former Branca Costa of Rio de Janeiro, whom he married in 1945. It was during his travels that Dr. Nicholson's interest in astronomy was born.

From 1945 through 1954, Dr. Nicholson was affiliated with the



Thomas D. Nicholson. Photo Credit Bachrach

(continued on page 2)

U.S. Merchant Marine Academy, initially as an instructor in the Department of Nautical Science, and later as assistant professor of navigation and astronomy, and as director of the Academy Planetarium.

From 1954 to 1960, he was a navigation instructor at the Naval Reserve Officer's School, New York City; from 1954 to 1964, he was a lecturer in astronomy at the U.S. Military Academy, West Point; and from 1963 to 1967, he was an instructor in astronomy at Hunter College of the City University of New York.

He was a member of a NASA evaluation and testing team for the Gemini XII hand-held space sextant during 1965 and 1966. Among his non-museum activities was an eight-year assignment, until 1972, as a special events and weather broadcaster for WNBC (New York) radio and television. In 1970, he was cited for his contribution to the NBC-TV program, "Solar Eclipse: A Darkness at Noon," for which he received an Emmy Award from the National Academy of Television Arts and Sciences.

Under Dr. Nicholson's direction, the Exhibition Department began an innovative program of major special exhibitions that included "Pompeii AD 79" (1979), "Gold of El Dorado" (1979-1980), "Aztec Mexico: Discovery of Templo Mayor" (1982), "Asante: Kingdom of Gold" (1984), "Ancestors: Four Million Years of Humanity" (1984), "Maya: Treasures of an Ancient Civilization" (1985), "Dark Caves, Bright Visions" (1986), and "Carthage: A Mosaic of Ancient Tunisia" (1987). These and other special exhibitions were presented in newly constructed galleries.

During Dr. Nicholson's tenure, new permanent exhibition halls opened: the Morgan Memorial Hall of Gems and the Harry Frank Guggenheim Hall of Minerals (1976); the Gardner D. Stout Hall of Asian Peoples (1980); the Arthur Ross Hall of Meteorites (1981); the Margaret Mead Hall of Pacific Peoples (1984), and the Hall

of South American Peoples (1989).

Extensive renovations were carried out in the Hall of South Asiatic Mammals, the Akeley Memorial Hall of African Mammals, the Hall of Small Mammals of North America, the Hall of Birds of the World, the Sanford Memorial Hall of the Biology of Birds, the Hall of Mexico and Central America, the Hall of Ocean Life and the Biology of Fishes, and the Main Auditorium.

The Childs Frick Wing, housing the Department of Vertebrate Paleontology and its renowned fossil vertebrate collections, was brought to completion in the mid-1970s.

In addition, Dr. Nicholson brought to the Museum the Naturemax Theater. The theater features the IMAX film system, which employs a sophisticated audio track and a screen four stories high and 66-feet wide to surround its audience with sound and images. Dr. Nicholson was especially interested in encouraging the Education Department to reach out and meet the needs of the Museum's many constituencies. New programs were begun, including such innovative undertakings as African-American and Caribbean Studies.

Redesigned and new Education Department facilities were opened in 1982 as the Charles A. Dana Education Wing.

In the scientific area, Dr. Nicholson worked closely with the curatorial staff to consolidate the departments and to improve the planning, execution and evaluation of scientific research.

Dr. Nicholson was aggressive in expanding the Museum's grant programs. The Chapman Memorial Fund, the Theodore Roosevelt Memorial Fund, the Lerner-Gray Fund for Marine Research, and the Lincoln Ellsworth Fund award grants every year to graduate and postdoctoral students to enable them to carry on their research.

(continued on page 3)



He also began new programs for fellowships and curatorial fellows under which scientists are brought to the Museum to conduct research projects during five-year terms.

He focused attention on the preservation and restoration of books and expanding services in the Museum's Library. With 423,000 books and serial publications, 730,000 photographs and 3,000 reels of film, it is considered the largest natural history library in the western hemisphere.

An accomplishment of which Dr. Nicholson was especially proud was expansion, by the imaginative use of existing space, of the departments' collections, and the collection management and



Dr. Nicholson, far left, at the Planetarium with students from his evening navigation course. Circa 1970

research facilities. Through internal renovation—the creation of mezzanines and compact storage facilities—some 300,000 square feet of space was added to Museum use. The Museum Shop was expanded in 1984 to add a larger sales area for books, posters and natural history objects.

Dr. Nicholson pursued a broad policy of generating income by establishing a discretionary admission fee, opening the Naturemax Theater, creating a bigger cafeteria and a new restaurant, renovating the internal shops and the parking area, and allowing outside groups to use Museum spaces for events related to the interests of the Museum. Programs to increase Museum membership and broaden the scope of *Natural History* magazine also resulted in increases in the Museum's income.

Dr. Nicholson was active in many museum and scientific organizations. He was a co-founder of the Association of Natural Sciences Institutions (TANSI), an organization that articulated the needs of natural history institutions to legislators.

He was president of the New York State Association of Museums from 1972 to 1976, and was council member and vice president of the American Association of Museums from 1974 to 1975. He was chairman of the Cultural Institutions Group of New York from 1971 to 1972.

Dr. Nicholson was a professional member of the American Astronomical Society, and the American Society of Meteorologists, and was a fellow of the American Association for the Advancement of Science, and of the Royal Astronomical Society. From 1971 to 1972, he served as president of the Institute of Navigation. He was president of the Association of Systematics Collections from 1978 to 1980.

He received the New York United Way Campaign Award in 1985, and was chairman of the Cultural Institutions Group of United

Way. Also in 1985, Dr. Nicholson received the Greater New York Blood Bank Award.

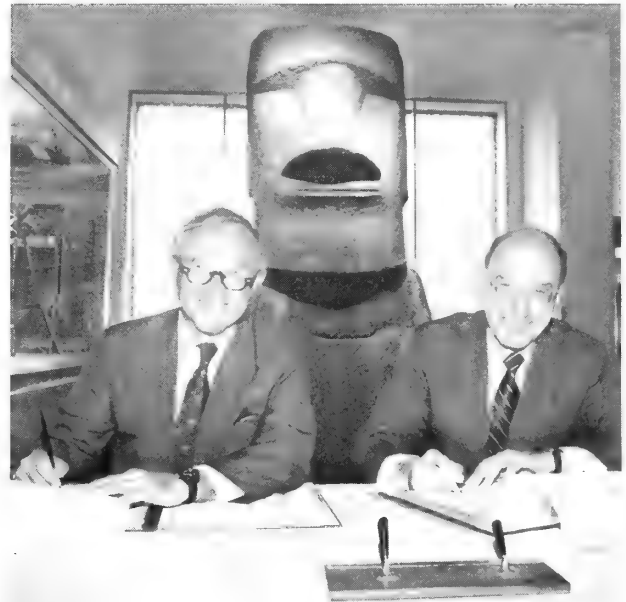
In 1972, Dr. Nicholson was presented with the Distinguished Service Certificate of the Institute of Navigation, and the Outstanding Professional Achievement Award of the U.S. Merchant Marine Academy.

Dr. Nicholson was the recipient of the West Side Award of the West Side Chamber of Commerce in 1979. In 1978, he was awarded the Institute of Navigation Superior Achievement Award. In 1979, Dr. Nicholson was given the St. John's University Medal of Honor, the most prestigious award that can be conferred upon a St. John's alumnus.

He was also a member of the Masters, Mates and Pilots Union, AFL-CIO, and a member of the American Federation of Television and Radio Artists.

The author of popular books on astronomy, Dr. Nicholson had a regular astronomy column in *Natural History*. He was a contributing editor to the *Christian Science Monitor*, editor of *Curator*, and the author of numerous articles in scientific encyclopedias.

MUSEUM AND COLUMBIA UNIVERSITY SIGN AGREEMENT



In the Margaret Mead Hall of Pacific Peoples, Museum President George D. Langdon, Jr., left, and Columbia University President Michael I. Sovern, sign a formal agreement linking the research and teaching resources of the Departments of Anthropology at the two institutions. A number of Museum curators will teach anthropology courses and advise students at Columbia. In turn, faculty and students from the University will have access to the Museum's archives, laboratories and collections, and may become involved in joint research with Museum curators. In a joint statement, the two presidents said: "This exciting new partnership will lead to educational and scholarly advances in anthropology that neither institution could achieve alone."

ALBERT E. PARR DIES; WAS DIRECTOR OF MUSEUM FROM 1942 TO 1959

Albert Eide Parr, director of the Museum from 1942 to 1959, died on July 17, at his home in Wilder, Vermont. He was 90 years old.

Under Dr. Parr's direction, the Museum broadened its scope in ecological studies, exhibitions, and education programs. Research at the Museum's field research stations emphasized understanding how humans interact with and affect the environment. The Warburg Memorial Hall of General Ecology, which opened in 1951, was devoted to addressing the interdependence of humans with the natural world.

Numerous other new exhibition halls were opened in the course of Dr. Parr's tenure, including the Sanford Memorial Hall of the Biology of Birds (1948), the Whitney Memorial Hall of Oceanic Birds (1953), the Hall of North American Mammals (1954), the Hall of North American Forests (1958), and the special exhibition, "Men of the Montaña" (1951).

Dr. Parr was born in Bergen, Norway, Aug. 15, 1900. He graduated from the Royal University of Oslo in 1925, received an honorary D.Sc. from Yale University in 1946, and an honorary D.Sc. from Colby College in 1956.



Albert E. Parr

Before coming to the United States, Dr. Parr was an assistant in zoology at the Museum of Bergen from 1919 to 1920, assistant in fisheries research at the Norwegian Fisheries Directorate from 1924 to 1926. He traveled widely as a member of the Norwegian Merchant Marine.

At Yale, Dr. Parr was assistant professor of zoology from 1931 to 1937, associate from 1937 to 1938, and full professor of oceanography from 1938 to 1942. In 1938, he was appointed director of the Peabody Museum of Yale University, where he served until becoming director of the American Museum of Natural History in 1942.

In September, 1959, Dr. Parr retired as director and became Senior Scientist at the Museum. Upon his retirement in 1968, he

became Director Emeritus. In 1980, he was the first recipient of the Distinguished Service Medal of the American Association of Museums.

Dr. Parr was the author of many papers on oceanography and marine biology, as well as articles on museology. He founded and served as first managing editor of the Sears Foundation Journal of Marine Research. He also served as a member of the United States National Commission for UNESCO.

His wife of 64 years, Ella Parr, died on May 2, 1991. He is survived by four children, Hedvig, Nils Albert, Thomas, and Victoria Johanne Neumann, a brother and sister and four grandchildren.

AWARD GIVEN TO MUSEUM'S WILDLIFE 1991 CALENDAR

The Museum's "Wildlife 1991" calendar has received an Award of Merit from the American Association of Museums in their 1991 Museum Publications Competition. Scarlett Lovell, manager of special publications, conceived of the project and was editor of the calendar. It was published by Harry N. Abrams, Inc..

The AAM Museum Publications Competition drew 1,639 entries, and 131 of those were selected for recognition. The competition, which rewards excellence in the graphic design of museum publications, is the only national, juried event involving publications produced by museums.

The text and photographs selected for "Wildlife 1991" were based on the feature, "The Natural Moment," from *Natural History* magazine. Winners of the 1991 competition will be featured in the September/October issue of the AAM magazine *Museum News*.

75TH ANNIVERSARY HERPETOLOGY AND ICHTHYOLOGY MEETING HELD AT MUSEUM

The joint annual meeting of the American Society of Ichthyologists and Herpetologists (ASIH) and the American Elasmobranch Society (AES) was held at the Museum from June 15 through June 20.

The ASIH, the world's most important society for the study of cold-blooded vertebrates, was founded at the Museum in 1916. The June meeting marked the 75th anniversary of the ASIH. It was attended by 700 scientists from 35 countries.

A symposium on "Conservation of Biodiversity: Fishes, Amphibians and Reptiles," featured presentations by some of the world's leading authorities on such topics as extinctions, the effects of acid rain, and the world-wide disappearance of frogs. A panel presented a summary of the symposium at a public forum.



Logo of the ASI and AES meeting.

FREDERICK P. ROSE JOINS THE MUSEUM'S BOARD OF TRUSTEES

Frederick P. Rose, chairman of Rose Associates, Inc., a real estate investment firm, has joined the Board of Trustees of the Museum.

Mr. Rose joins a board of 51 elective, 10 honorary, and seven ex officio members. The Board of Trustees guides museum policy and carries financial responsibility for the institution.

Rose Associates builds, owns and manages residential and commercial real estate developments from Massachusetts to Florida, with its principal activity in the New York Metropolitan area.

Mr. Rose has been involved for many years as a trustee of a wide variety of institutions, which currently include Yale University, The Metropolitan Museum of Art, Rockefeller University, and Lincoln Center for the Performing Arts. As Chairman of the Building Committee at Lincoln Center, he supervised the design and construction of the recently completed 350,000-square-foot arts and residential facility.

He has served as President of the Scarsdale Board of Education, Vice Chairman of the New York State Hospital Construction Fund, and as a United States Delegate to various agencies of the United Nations. He is also a member of the Council on Foreign Relations, the Citizens Budget Commission, and the Manhattan Institute for Policy Research.

Mr. Rose was born in Manhattan and educated at the Horace Mann School and Yale University. During World War II, he served in the Pacific as a Lieutenant in the Seabees. Mr. Rose resides in Westchester with his wife, Sandra.

NOTE: FINANCIAL PLANNING ADVICE OFFERED

Pauline G. Meisler, assistant director for Financial Operations emerita, has volunteered to counsel Museum employees and their spouses free of charge on pre-retirement and retirement planning. Guidance will cover such topics as pension, social security, deferred savings (403B, 401K, and IRA), investments, budgeting, housing, education financing, insurance, and other related issues. Call the Financial Office at extension 5130 to leave a message for Mrs. Meisler, she will return the call.

ORNITHOLOGIST ERNST MAYR HONORED FOR LIFETIME ACHIEVEMENTS

Ernst Mayr, renowned evolutionist, ornithologist and curator emeritus in the Department of Ornithology, was honored in May at a luncheon here commemorating the 60th anniversary of his arrival at the Museum. Museum administrators, trustees, colleagues, family and friends attended the event held in the Audubon Gallery.

Dr. Mayr is an architect of the synthetic theory of evolution, a founder and first editor of the journal, *Evolution*, and author of seminal works on systematics and biology.

He served the Museum as research associate in 1931, as associate curator in 1932, and as curator in charge of the Whitney South Sea Expedition's collection of birds from 1944 to 1953.

Dr. Mayr was director of the Museum of Comparative Zoology at Harvard University from 1961 to 1970, and served as a trustee

at the American Museum from 1970 to 1975.

Before joining the Museum, Dr. Mayr participated in the Whitney South Sea Expedition from 1929 to 1930. That experience and his subsequent work with the Whitney collections were instrumental in the development of his ideas in ornithology and biology.

For more than a half century, Dr. Mayr has been a major influence in the fields of systematics and evolutionary biology. Although retired for 15 years and 87 years of age, Dr. Mayr is still active. In recent years he has produced major volumes on the philosophy and history of biology.

The luncheon was organized by two of Dr. Mayr's former students, Research Associate Walter J. Bock and Ornithology Department Chairman François Vuilleumier.



At the luncheon, William T. Golden, center, chairman of the Board of Trustees, and Michael J. Novacek, dean of science, right, with Ernst Mayr



Also at the luncheon with Dr. Mayr, Research Associate Walter J. Bock, left, and Ornithology Department Chairman François Vuilleumier

"BEAVERS," A NEW NATUREMAX FILM, FOCUSES ON NATURE'S GREATEST ENGINEERS

The Museum's latest Naturemax offering, "Beavers" takes an intimate look at one of nature's greatest engineers. Shot on location in the Canadian Rockies over a period of more than seven months, the film follows a family of beavers as they grow, play and transform the land around them.

To capture the activities of the beavers, the IMAX cameras were brought as near as practicable to the animals. They were submerged in frigid waters beneath nearly two feet of ice to capture the beavers' underwater activities, and held a half foot above the ground to be at the beavers' perspective as they felled trees.

The IMAX lens was also positioned in the beavers' lodge to witness the birth of their kits, and suspended 150 feet above ground to reveal the giant proportions of the final dam, some 300 feet long.

"Beavers" was directed by Stephen Low and produced by Stephen Low Productions Inc., in cooperation with Dentsu, Inc., and Chubu Electric Power Company, both of Japan. The film was awarded the Jury Prize, and was co-winner of the Public Prize at the Second International Imax/Omnimax Film Festival in 1989.

Also showing at the Naturemax Theater is "Grand Canyon: The Hidden Secrets." The film, in its return engagement at the theater, captures the spectacular scale and vistas of this geologic phenomenon. It takes the audience to the Canyon's waterfalls, red cliffs, and hidden caverns, and on a white water rapids trip down the Colorado River.

"Beavers" shows daily, at 10:30 a.m., 11:30 a.m., 1:30 p.m., 3:30 p.m. and 4:30 p.m. "Grand Canyon" may be seen daily at 12:30 p.m. and 2:30 p.m. Both films are offered as a double feature on Friday and Saturday evenings at 6 and 7:30.



In a scene from "Beavers," a beaver strips the bark from a branch by rotating it with great dexterity through its set of sharp incisors. Photo Credit: Carlo Secchiarioli

HERE AND THERE

BUILDING SERVICES: **Leroy David** joined as a new secretary... **Rolando Asa, Maria Diana, Kevin Jones, Oleg Litvonovsky, Horace Noble, Jaime Pachon, Rose Williams** and **Velma Williams** were promoted from Museum attendant guards to senior Museum attendant guards.

DEVELOPMENT AND PUBLIC AFFAIRS: **T'Shawn Isler** and **Bipasha Shom** were promoted from development assistants to development associates. Ms. Isler married **Kenneth Rivers**, a former Museum employee in Micropaleontology Press, on July 6... **Susan Phillip** was promoted from public affairs assistant to public affairs associate.

ENTOMOLOGY: **Jerome G. Rozen, Jr.**, curator, will lead the first of several expeditions sponsored by the National Science Foundation to study the bee fauna of Mexico from mid-August to mid-September under theegis of the Programa Cooperativa sobre la Apifauna Mexicana.

GUEST SERVICES: **Lisa B. Rose** is welcomed as secretary... **Youn-Jung Lee**, guest services assistant, married James L. Stroup on June 1.

HERPETOLOGY AND ICHTHYOLOGY: **Michael W. Klemens**, director of the Turtle Conservation Program, is the author of the recently published booklet, "Checklist of the Amphibians and Reptiles of Connecticut"... **Mary Alford** is the new secretary... **Brian Urbain** is a new scientific assistant.

INTERDEPARTMENTAL FACILITIES: **William Barnett** joined as supervisor of the Scanning Electron Microscope Laboratory.

INVERTEBRATES: **William K. Emerson**, curator, was appointed a research associate in invertebrate zoology by the Santa Barbara Museum of Natural History... **Stephanie Crooms**,

secretary, and **Michael Henry**, were married on June 20.

LIBRARY: **Blanche Norman** joined as the new secretary... **Robert J. Wyrod** is a new part-time library assistant.

MAINTENANCE AND ENGINEERING: **Raj Vohra** was promoted from maintenance manager to manager of Maintenance and Engineering... **Ruth Gil-Rodriguez** is a new Museum attendant guard... **Sadiq Mohammad** joined as project engineer... **Chin Tse**, Museum maintainer, and his wife **Jia Yi Kuang** are the parents of a daughter, **Maggie**, born on March 28.

MUSEUM SHOP: **Smita D. Gupta** was promoted from part-time sales assistant to full-time sales assistant... **Paula Godsey** is a new part-time supervisor... **Adrienne Horton, Myrna Infante, Jodi Lacoff, Dominique Lang, Natasha K. Smoot** and **David Varga** joined as part-time sales assistants.

ORNITHOLOGY: Curator **George F. Barrowclough** and **Rocky Gutierrez** of Humboldt University received a grant from the U.S. Fish & Wildlife Service to study variability and geographic variation of Spotted Owl populations using DNA sequencing. **Ranhy Bang**, Spotted Owl Project supervisor, joined the department to oversee the laboratory work for this project... **François Vuilleumier**, chairman, spent a week in the Adirondacks studying forest birds.

PERSONNEL: **Susan Kroll** was promoted from senior personnel assistant to senior personnel assistant and training coordinator. **PURCHASING:** **Jeffrey L. Maer**, purchasing manager, was elected president of the New York City chapter of the National Association of Purchasing Management... **Mary Kiernan** is the new secretary.

VOLUNTEER SERVICES: **Mary A. Robbins** joined as part-time telephone supervisor.

Grapevine

American
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TALBERT SPENCE IS NEW HEAD OF DEPARTMENT OF EDUCATION

Talbert B. Spence, a well-known science educator, is the new chairman of the Museum's Department of Education. He succeeds Malcolm J. Arth, who retired at the end of September after 21 years as chairman of the department.

This marks a return to the Museum for Mr. Spence, who was a coordinator for the institution's Environmental Information Center from 1974 to 1977. During that time, he also developed the Museum's acclaimed Junior High School Natural Science Program.

Creating new opportunities for teachers to utilize the Museum's vast resources is a top priority for Mr. Spence.

"It is important to build bridges between professional scientists and educators in order to give the public a clear vision of the goals of the Museum and what it has to offer," he said.

Among Mr. Spence's plans are a formalized mentor program for teachers, and a natural history career internship program for New York City college students.

"I also want to further broaden the Museum's com-

munity programming, which has already been tremendously successful in reaching out to diverse audiences," he said.

Mr. Spence comes to the Museum from the New York Academy of Sciences, where he was director of the Educational Programs Department since 1987. Other previous positions include education director of Wave Hill Public Garden, and curriculum writer for the School of Natural Resources at the University of Michigan.

He also held consulting positions at the Consortium for the Advancement of Private Higher Education, where he reviewed science education proposals, and the Office of International Affairs at the U.S. Fish and Wildlife Service, where he developed environmental education programs for the government of India.

In addition, Mr. Spence served as president of the American Nature Study Society, and is the 1991 National Conference Program Chairman for the 20th Annual Meeting of the North American Association for Environmental Education.

Mr. Spence is a member of the American Association for

the Advancement of Science's Committee on Public Understanding of Science, and its Education Committee; the Task Force for Excellence in Environmental Science Education of the National Science Teachers Association; the New York City Mayor's Commission for Science and Technology, and the Advisory Committee of the Thomas Jefferson High School of Science and Technology in Brooklyn.

Mr. Spence earned a master's degree in environmental science education at the University of Michigan.

Dr. Arth, who has been named Curator Emeritus, leaves a legacy of outstanding and innovative educational programming at the Museum. He played a crucial role in raising funds to launch many of these programs.

Dr. Arth was the founder and chairperson of the internationally acclaimed Margaret Mead Film Festival, which just completed its 15th year as a prime showcase for anthropological films.

Dr. Arth also implemented a teaching assistant program for anthropology exhibitions, and, in the 1970s, the Museum Minority Training Program for staff members of small museums. He was a major force in the creation of the Museum's Frederick H. Leonhardt People Center and the Discovery Room.

An overnight science "Camp-In" for young people, the first program of its kind undertaken by a New York City museum, was begun in 1988 with Dr. Arth's encouragement. In addition, training programs for teachers and pupils grew, allowing for greater depth of learning than possible in single Museum visits.

Dr. Arth's tenure saw expansion in the areas of community programming as well as adult continuing education. A distinguished series of lectures for adults, which included many talks given by Museum scientists, grew significantly in this period.

Mini courses for local school classes, and a staff training



Talbert B. Spence



Malcolm J. Arth

(continued on page 4)

"CHIEFLY FEASTS: THE ENDURING KWAKIUTL POTLATCH" OPENS IN GALLERY 3

"Chiefly Feasts: The Enduring Kwakiutl Potlatch," an exhibition exploring the artwork and ceremonies of the Kwakiutl people of North America's Northwest Coast, is on view in Gallery 3 through Sunday, Feb. 23.

The exhibition was organized by the Museum, and after its run here will travel to the Royal British Columbia Museum, the California Academy of Sciences, the Smithsonian Institution, and the Seattle Art Museum.

Potlatches are ceremonies held to validate the status of a Kwakiutl family. They combine elaborate dances, feasting on rich foods, and the distribution of hundreds of gifts. Despite past intense legal pressure to eradicate the potlatch, the Kwakiutl preserved their traditions. "Chiefly Feasts" celebrates both the glories of the past and the survival of Kwakiutl culture.

The Kwakiutl have been active participants throughout the creation of "Chiefly Feasts." Their involvement marks the first time a Native American group has been a partner in the conception, creation and presentation of a Museum exhibition.

During the early stages of the development of the exhibition, a number of Kwakiutl elders visited the Museum as consultants, giving information on the Museum's collection and translating Kwakwaka language texts.

Gloria Cranmer Webster, a high-ranking Kwakiutl and retired director of the U'mista Cultural Centre in British Columbia, is serving as guest curator of the modern portion of "Chiefly Feasts." As an organizer of numerous recent potlatches, Ms. Webster is an authority on contemporary Kwakiutl traditions.

In addition, two renowned contemporary Kwakiutl artists will each carve a piece — a potlatch mask and a 12-foot totem pole — during the run of the exhibition. A number of other programs will be held in conjunction with "Chiefly



One aspect of an eagle transformation mask. Such masks are snapped open and shut by a performer to present different visages.

Feasts," including performances of potlatch dances for school groups and general Museum audiences.

Many of the pieces in "Chiefly Feasts" have never before been on public display. They are part of the Museum's outstanding array of Kwakiutl artworks collected around the turn of the century during a Museum expedition lead by anthropologist Franz Boas. George Hunt, a Kwakiutl who was one of Boas's most valued field assistants, collected hundreds of artworks and recorded descriptions of every aspect of Kwakiutl culture. Ms. Webster is one of George Hunt's great granddaughters.

The curator of "Chiefly Feasts" is Aldona Jonaitis, internationally recognized expert on Native Northwest Coast art, and vice president for public programs at the Museum. Peter Macnair, curator of anthropology at the Royal British Columbia Museum, is a special curatorial consultant.

DOLL MAKING: TIBETAN MONKS DEMONSTRATE A MODERN CRAFT

Four Tibetan monks from the Drepung Loseling Monastery are demonstrating the craft of doll making in a "living exhibit" in the Hall of Birds of the World, on view through Friday, Nov. 8.



The doll project was developed as a means of combining several traditional Tibetan arts, including clay modeling, painting and applique. The project is among a series of events and exhibitions in "The Year of Tibet," designed to help preserve Tibet's cultural and artistic heritage.

As the elaborately costumed dolls are completed, they are placed into a scene of a traditional Tibetan government procession with infantry, cavalry, musicians, and other officials. In addition to the work in progress, there are dozens of completed dolls set in other Tibetan scenes.

The Museum augmented the exhibit with items from its own Tibetan collection, gathered in the early half of the 20th century. Artifacts include traditional dress, jewelry, masks, and archival photographs.

"To Preserve Tibetan Culture: Monks Demonstrate a Modern Craft," is part of "Tibet at the American Museum of Natural History," which includes a simultaneous exhibit of rare and historic photographs of Tibet by Heinrich Harrer, and lectures offered by the Education Department.

EUGENE R. MCGRATH JOINS THE MUSEUM'S BOARD OF TRUSTEES

Eugene R. McGrath, chairman of the board, and president and chief executive officer of Consolidated Edison of New York, is a new member of the Museum's Board of Trustees.

Mr. McGrath joins a board of 49 elective, 12 honorary, and seven ex officio members. The Board of Trustees guides Museum policy and carries financial responsibility for the institution.

Joining Con Edison in 1963, Mr. McGrath held positions of increasing responsibility in the company's engineering, power generation, and construction departments. He became vice president in 1978, executive vice president in 1982, president and chief operating officer in 1989, and was elected chairman of the board in 1990.

Mr. McGrath serves on the boards of directors of the Association of Edison Illuminating Companies, Barnard College, the Committee for Economic Development, the Council on Foreign Relations, the Edison Electric Institute, the Fresh Air Fund, the National Action Council for Minorities in Engineering, the New York Chamber of Commerce and Industry, the New York City Partnership, the Regional Plan Association, the U.S. Council for Energy Awareness, and the United Way of New York City.

He is chairman of the Business Committee of the New York Zoological Society, and the Nuclear Management and Resources Council, and is co-chairman of the 14th Street

Union Square Local Development Corporation.

Mr. McGrath is also a member of the Business Advisory Council for the City University of New York, the Business Council of New York State, the Executive Committee of the Energy Association of New York State, the Executive Council for Pace University, the National Academy of Engineering, the New York State Power Pool Executive Committee, the Nuclear Power Oversight Committee, and the Private Sector Commission on Cost Control in New York State Government.

A native New Yorker, Mr. McGrath earned a mechanical engineering degree at Manhattan College in 1963, and a Masters in Business Administration from Iona College in 1980. He completed the Advanced Management Program at Harvard University in 1989.

Mr. McGrath and his wife, Helen, live in Rye. They have three sons.



Eugene R. McGrath

MUSEUM MOURNS DONALD C. PLATTEN, LONG TIME TRUSTEE, DEAD AT 72.

The Museum mourns the passing of Trustee Donald C. Platten, who died on Aug. 25, at the age of 72.

Mr. Platten joined the Board of Trustees in 1979 and became national chairman of the Museum's corporate campaign a year later. For almost a decade, he played a crucial role in raising funds in the corporate community to further the Museum's position as a leader in research, exhibition and education in the natural sciences.

Joining Chemical Bank in 1940 after graduating from Princeton University, Mr. Platten rose to become chairman and chief executive of the Bank from 1973 to 1984.



Donald C. Platten

His highly regarded position in New York City's financial community led Mayor Edward I. Koch to appoint Mr. Platten chairman of the Mayor's Management Advisory Committee, a nine-member panel which helped the City avoid bankruptcy in the mid-1970s. Mr. Platten was also President of the New York Clearing House Association and the Federal Advisory Council, as well as a member of President Carter's Commission for the National Agenda for the Eighties.

His directorships included CPC International, The Charles

A. Dana Foundation, The Cleveland-Cliffs, Consolidated Edison Company of New York, the National Victim Center, The Reader's Digest Association, and Thomson Newspapers.

Mr. Platten served on the boards of trustees of The American University of Beirut, the Collegiate School, and The Presbyterian Hospital. He was co-chairman of We Care About New York, and a charter trustee of Princeton University.

Mr. Platten is survived by his wife, Margaret; his children, Peter, Katherine Tyson, and Alison Vanderbilt; two brothers; seven grandchildren, and a great grandson.

SCIENCE BOARD TRIBUTE

William T. Golden, chairman of the Board of Trustees, was presented a Tribute of Appreciation for Sustained and Exemplary Contributions to Science Policy by the National Science Board. The tribute reads in part: "...A man noted as much for his personal generosity as for his rigorous ethical standards, he well deserves to be recognized as this country's foremost trustee of science." This is the first time the NSB has bestowed such a tribute.

exchange program with the National Museum of Natural History in Delhi, India, were also established under Dr. Arth's leadership.

Dr. Arth's professional positions included an appointment to the Joint Museums Committee of the Indo-U.S. Subcommittee on Education and Culture. He was Senior Museum Associate at the Getty Trust Museum Management Institute at the University of California, Berkeley, and adjunct professor at New York University's graduate program in

museum studies.

His many honors and awards include a citation for achievement in the field of museum education by the New York City Museum Educators Roundtable in 1990, and the "Museum Educator's Award for Excellence," presented in 1986 by the Standing Professional Committee on Education of the American Association of Museums.

Dr. Arth earned his Ph.D. degree in anthropology at Harvard University.

HERE AND THERE

ANTHROPOLOGY: **Paul F. Beelitz** was promoted from associate registrar to collections manager. . . **Belinda Kaye** was promoted from assistant registrar to registrar for loans and archives. . . **Peter Siegel** was promoted from collections assistant to collections photographer. . . **Andrew Smith** was promoted from collections conservation assistant to Museum technician. . . **Martha Graham** is the new Kalbfleisch Research Fellow. . . **Charles Spencer** joined as associate curator.

ENTOMOLOGY: **David A. Grimaldi** was promoted from assistant curator to associate curator. . . **Robert DeSalle** joined as assistant curator.

EXHIBITION AND GRAPHICS: **Kevin M. McAllister**, **Brian P. Morrissey**, **Robert H. Muller**, **Andrea G. Raphael** and **Alan D. Walker** were promoted from preparator to senior preparator.

FOSSIL HALLS-LIBRARY RESTORATION: **David J. McCornack** was promoted from exhibition assistant to senior exhibition assistant. . . **Robert Eustace** joined as exhibition assistant.

GENERAL SERVICES: **Evelyn Vargas**, senior clerk, and **Michael Cales** were married on July 6.

HERPETOLOGY AND ICHTHYOLOGY: Curator **Charles J. Cole** and **Maureen A. Donnelly**, Boeschenstein Research Fellow, **Linda S. Ford**, Kalbfleisch Research Fellow, **Darrel R. Frost**, assistant curator, and **Michael W. Klemens**, director, Turtle Conservation Program, attended the meetings of the Society for the Study of Amphibians and Reptiles and the Herpetologists League in State College, Penn. Dr. Donnelly gave a paper on dendrobatid frogs and Dr. Cole gave a talk at a symposium dedicated to Research Associate **Roger Conant**. . . Dr. Klemens studied bog turtles in the Blue Ridge Mountains of Virginia. . . Dr. Frost was reappointed honorary research associate in herpetology at the Natural History Museum of Los Angeles County. . . **Carol R. Townsend**, associate, and **Herbert C. Dessauer**, research associate, studied unisexual lizards at the Southwestern Research Station. . . Dr. Cole and **Lucrecia Rodriguez**, curatorial assistant, were married on Aug. 24.

INVERTEBRATES: **Judith E. Winston** was promoted from associate curator to curator and appointed chairwoman of the department. . . **Neil H. Landman**, associate curator, gave a talk on septal morphology in Ammonites at the International Symposium on Ammonite Evolution in London. . . **Cheryl Hayashi** is welcomed as laboratory supervisor.

LIBRARY: **Donald Jacobsen** was promoted from assistant to the director to assistant director for reference ser-

vices. . . **Joel Sweimler** was promoted from art survey manager to assistant to the director. . . **Nina J. Root**, director, **Miriam Tam**, assistant director for technical services, and **Diana Shih**, senior cataloging librarian, attended the annual conference of the American Library Association in Atlanta. . . **Deborah Colchamiro**, reference librarian, attended the New York State Interlibrary Loan Training Program in Albany. . . **Priscilla Watson**, senior acquisitions librarian, attended the Special Libraries Association annual convention in San Antonio. . . **Barbara Rhodes**, conservation manager, attended the Rare Book and Manuscript preconference of the American Library Association in Chapel Hill, N.C.

MAINTENANCE AND ENGINEERING: **Deron Nevels** was promoted from Museum attendant guard to senior Museum attendant guard. . . **Pedro Ramos** is a new Museum attendant guard.

MAMMALOLOGY: **Mario DeVivo** is the new Traina Research Fellow. . . **Claire Flemming** joined as scientific assistant.

MINERAL SCIENCES: **Edmond A. Mathez** was promoted from assistant curator to associate curator. . . **Michael R. Weisberg** was promoted from scientific assistant to research fellow. . . **Aley El-Din Khaled El-Shazly** is the new Kalbfleisch Research Fellow.

MUSEUM SHOPS: **Olive Green** and **Misae Sartiano** were promoted from sales assistant to senior sales assistant. . . **Stephan Delacotte** and **Jeanine Guzman** are new part-time sales assistants. . . **Robin Ross** is a new part-time supervisor. . . **David Wun** is a new part-time clerk typist.

NATURAL HISTORY MAGAZINE: **Robert Anderson** was promoted from assistant editor to associate editor. . . **Suzanne Kato** is a new part-time circulation assistant.

ORNITHOLOGY: **Jeffrey G. Groth** is a new Chapman Research Fellow. . . Lamont Curator **Lester L. Short**, **George F. Barrowclough**, associate curator, **Robert W. Dickerman**, research associate, **C. Jeffery Woodbury**, Chapman Fellow, **Helen Hays**, Great Gull Island Committee Chairwoman, and graduate students **Patricia Escalante Pliego** and **Carole Griffiths**, attended the annual meeting of the American Ornithologists Union in Montreal.

PLANETARIUM: **Dennis Davidson**, astronomical artist, attended a meeting of the International Association for the Astronomical Arts in Hawaii. . . **Dawn Binetti** is a new part-time sales assistant.

VERTEBRATE PALEONTOLOGY: **James Clark** is the new Frick Research Fellow. . . **Demberlyin Dashzeveg** and **Bayersaikhan Dashzeveg**, researchers from the Mongolian Academy of Sciences, are visiting the department.

BAROSAURUS EXHIBIT OPENS IN THE MUSEUM'S 'ROTUNDA'



President George D. Langdon, Jr., addresses a crowd of press, Museum staff, and New York City school children at the ribbon-cutting for the new *Barosaurus* exhibition on Tuesday, Dec. 3. Also present at the ceremony were Deputy Mayor Barbara Fife (seated right), and Manhattan Borough President Ruth Messenger (seated second from right). They cut the ribbon with William T. Golden,

chairman of the Museum's Board of Trustees. The new exhibit, which opened to the public the following day, is the tallest freestanding dinosaur display in the world. It features an adult *Barosaurus*, a dinosaur never before displayed in any museum, rearing up on its hind legs to protect its baby from an attacking *Allosaurus*.

MUSEUM'S EXHIBITION ON GLOBAL WARMING AWARDED NSF GRANT

"Global Warming: Understanding the Forecast," scheduled to open in Gallery 3 on May 15, has been awarded a grant of more than \$1 million by the National Science Foundation (NSF), the largest award NSF has ever made to a traveling exhibition. After an eight-month stay at the Museum, the exhibition will travel to other sites across the country.

The Informal Science Education Program, a division of NSF for funding pre-college science education outside the school system, awarded \$1,001,279 to "Global Warming."

"Global Warming" will be the largest exhibition on this topic

of environmental concern ever mounted by a cultural institution. It is being jointly developed with the Environmental Defense Fund (EDF) in what is the Museum's first collaborative project with another major organization on a traveling exhibition.

The exhibition will examine global atmospheric changes that have occurred in the past, as well as those projected for the future. It will detail actions that individuals, communities

(continued on page 2)

and nations can take to limit global warming, and how they might have to adapt to climate changes that could occur if steps are not taken.

NSF became interested in "Global Warming" because of the powerful collaboration between the Museum and EDF, the wide scope of educational programming planned in conjunction with the exhibition, and the timeliness of the subject. Education programs will include a two-day public symposium on May 15 and 16, teacher training workshops, and programs for elementary and secondary school classes.

Museum Director of Exhibition and Graphics Samuel M. Taylor is the principal investigator on the NSF project. He developed the grant proposal with the help of EDF's Stephanie Pfirman, scientific coordinator for "Global Warming," as co-principal investigator, and Eva Zelig, exhibition coordinator at the Museum.

SPECIAL GUESTS LIGHT THE ORIGAMI HOLIDAY TREE

The 19th annual Origami Holiday Tree was lit in a festive public ceremony on Monday, Nov. 25. Shown above from left to right are "Miss Piggy," "Kermit the Frog," Joyce Dinkins, wife of Mayor David N. Dinkins, Betsy Gotbaum, commissioner of the City's Department of Parks and Recreation, and Museum President George D. Langdon, Jr. Also present on the platform



were Museum Trustee Arthur Ross, Museum Trustee Frederick P. Rose and the Museum's Origami Specialist Michael Shall.

The 15-foot tree, an Arthur Ross Exhibit of the Month, was on view through Sunday, Jan. 5, in the first floor of the Theodore Roosevelt Memorial Hall.

The tree is decorated with more than 2,000 origami ornaments representing objects from the Museum's collections, including, fish, birds, elephants, whales, spiders and dinosaurs. In honor of "Miss Piggy," who threw the switch lighting the tree, an origami pig was added to the display.

TWO NEW MEMBERS JOIN BOARD OF TRUSTEES

Dr. Henry G. Jarecki, active in the commodities industry, and Dr. Charles A. Sanders, chairman of the New York Academy of Sciences and chief executive officer of the pharmaceutical company, Glaxo Inc., are new members of the Museum's Board of Trustees.

Dr. Jarecki is active in the management of Brody, White & Company, a futures brokerage company; Falconwood Financial Corporation, a cotton finance company; Cerro Metals UK, a London Metal Exchange dealing company, and Promofone, an automated movie information and ticketing firm.

Trained in psychiatry at Yale University Medical School, Dr. Jarecki is a Diplomate of the American Board of Psychiatry and Neurology, and is a member of the American Psychiatric Association. He was an assistant clinical professor at Yale Medical School until 1970.

In 1970, Dr. Jarecki left medicine to pursue gold and silver bullion trading, becoming the group chief executive of The Mocatta Group, a London-based bullion dealing company.

Dr. Jarecki is a director of the Futures Industry Association and the National Futures Association. He is a member of the Chicago Board of Trade, Commodity Exchange, Commodity Futures Trading Commission Advisory Committee, and International Monetary Market.

Since 1975, Dr. Jarecki has sponsored research in biodiversity and ecology on Guana Island, a nature preserve of the British Virgin Islands. He is a director of the British Virgin Islands Botanic Society, British Virgin Islands Community College, and Island Resources Foundation. Dr. Jarecki's other public service activities include directorships of the American Hepatitis Association, International Liaison Committee for Food Corps Programs, and Rural Voice, which seeks to develop sensible food and agricultural policy alternatives.

Dr. Jarecki coauthored the book, "Modern Psychiatric Treatment," in 1971, and has written a range of articles on psychiatric services in general hospitals, psychopharmacology, and bullion trading.

He and his wife, Gloria, live in Rye, N.Y. They have three sons.

Dr. Sanders was named chief executive officer of Glaxo Inc., in 1989. He is also on the board of Glaxo Holdings, and chairman of Glaxo Canada.

Before joining Glaxo, Dr. Sanders held several posts at the Squibb Corporation during an eight-year period, becoming vice chairman of the company in 1988. He also served as Squibb's chief executive officer of the Science and Technology Group, and chairman of the board of the Science and Technology Committee.

Dr. Sanders was professor of medicine at Harvard Medical School, and general director of Massachusetts General Hospital from 1972 to 1981.

In addition to serving as chairman of the New York Academy of Sciences, Dr. Sanders is a trustee of the National Humanities Center, and a member of the Institute of Medicine of the National Academy of Sciences.

His directorships include the Commonwealth Fund, Merrill Lynch & Co., Morton International, and Project Hope.

A native of Dallas, Dr. Sanders earned his M.D. at the Southwestern Medical College of the University of Texas in 1955.

He and his wife, Ann, live in Durham, N.C. They have four children.

FESTIVITIES MARK MUSEUM'S TIBETAN DOLL EXHIBIT



At a special party for children hosted by the Museum to celebrate the special exhibition, "To Preserve Tibetan Culture: Monks Demonstrate a Modern Craft," are, from left, Museum President George D. Langdon, Jr., actor Richard Gere, His Holiness the Dalai Lama, and William T. Golden, Chairman of the Museum's Board of Trustees. During the exhibition, which ran throughout October, four Tibetan monks demonstrated the craft of doll making to foster an awareness of Tibetan art and culture. At the party, children and their parents viewed the monks as they gave a special demonstration. In addition to watching the doll making demonstration, the Dalai Lama toured the Museum's Hall of Asian Peoples with Mr. Langdon, Mr. Golden, and Laurel Kendall, associate curator in the Anthropology Department, and Laila Williamson, scientific assistant in the department.

MUSEUM ORNITHOLOGIST RECEIVES GRANT TO STUDY THREATENED SPOTTED OWL

George Barrowclough, associate curator in the Ornithology Department, received a grant from the U.S. Fish and Wildlife Service to study the threatened Spotted Owl, *Strix occidentalis*. Data from the research will be used to develop long-term monitoring programs to protect the owls.

To understand relationships within and among populations of the Spotted Owl, Dr. Barrowclough is studying their genetic variability. The research will clarify the evolutionary history of the Owl, give insights into its genetic status and the threats to its survival, and propose measures to protect the species.

"Conservation biologists have come to realize that data on genetic variation within populations can be used in monitoring the status of an endangered species," said Dr. Barrowclough. "Genetic analysis could become a useful tool in the effort to preserve the world's biodiversity."

The owl, a threatened species said to be endangered by heavy logging of old growth forest in the Pacific Northwest, has been the subject of a bitter debate between environmentalists and loggers.

Environmentalists want logging operations halted in the ancient forests of the Northwest and see protection of the endangered owl as a key to protecting the forest. Timber industry groups fear economic disaster if logging is curtailed and believe current restrictions are excessive.

The \$130,000 grant is for the first half of a three-year study. In order to gather information on the owls, Ralph J. Gutiérrez, professor of Wildlife at Humboldt State University, California, and his students, catch, band, measure, and take blood samples from the birds in the field. The birds are then released unharmed.

The blood samples are sent to the Museum's Molecular Biology Lab where mitochondrial DNA is extracted, sequenced and analyzed by Dr. Barrowclough and his team.

They search for key sequences of the owls' DNA that will show appreciable genetic variation. By monitoring these DNA sequences, the genetic degradation of the owls can be measured over time.

Preserving genetic variability is as crucial to the owls' survival as preserving the sheer numbers of the bird. A viable breeding population that will survive not only for decades but thousands of years requires a diverse gene pool.

NEW LOGO AND SIGNAGE FOR MUSEUM



As part of a campaign to enhance the Museum's visibility and accessibility, a design firm was engaged in May, 1990, to develop a new Museum logo and a comprehensive signage system.

The new logo, featured on the right of the Grapevine masthead, was designed earlier this year by the firm, Lance Wyman Ltd., and has been in use since then.

"Combining the name of the Museum with the corner tower, prominent on the Museum's 77th Street side, the logo evokes a sense of place," said Mr. Wyman.

The installation of the new signage system throughout the Museum is scheduled for mid-January. Museum directories in the form of the 77th Street tower will be placed at entrances and adjacent to elevators. Each floor is represented on the directory by a color-coded number icon (see illustration), a map, and photographs of exhibition areas.

Baseboard level signs, that mark a circular path linking exhibitions, will also be put in place in January. Floor signs between exhibition areas, and stair signs

at each landing will reinforce directions.

Early next year, pylons displaying the Museum logo, a "You Are Here" map of the Museum, and a listing of current exhibitions and events, will be placed at exterior entrances and along Columbus Avenue.

"The signage should vastly improve Museum efforts to provide information to our visitors," said Samuel M. Taylor, director of the Museum's Department of Exhibition and Graphics.

Lance Wyman Ltd. specializes in the design and implementation of identity and "wayfinding" systems for governments, corporations and institutions in the United States, Canada and Mexico.

HERE AND THERE

ANTHROPOLOGY: William H. Weinstein, systems analyst, attended the Museum Computer Network meetings in Santa Monica...**Barbara Conklin**, registrar, attended the workshop "Museums and the Law: Collections," in Philadelphia...More than 75 scholars attended the Northeast Andean Conference here, organized by **Craig Morris**, curator, and **John Hyslop**, scientific assistant...Curators **Stanley A. Freed**, **Enid Schildkrout**, **Laila Williamson**, Senior scientific assistant, and **Thomas Miller**, scientific assistant, attended the American Anthropological Association's annual meeting in Chicago...**Jaymie L. Brauer**, scientific assistant, gave a talk on "The Research Value of Human Skeletal Collections," and **Charles S. Spencer**, associate curator, spoke on "Homology, Analogy and Comparative Research in Archaeology." Curator **David Hurst Thomas**, **Joseph A. Jimenes**, scientific assistant, and **Lori Pendleton**, material cultural analyst, conducted remote sensing surveys on St. Catherines Island...**Paul Goldstein** is a new scientific assistant...**Laurel Kendall**, associate curator, is a consultant for the Viet Nam Museum of Ethnology, the first of its kind. She was also elected to the Board of Council for Museum Anthropology...**Linda Nieuwenhuizen**, assistant conservator, and Michael Mandino were married.

BUILDING SERVICES: **Kevin Adams** and **Anthony McClellan** joined as Museum attendant guards...**Shawn Fisher** is the new secretary.

CONSTRUCTION: **Michael Rapanaro** is a new Museum maintainer.

DEVELOPMENT AND PUBLIC AFFAIRS: **Patricia Dandonoli** joined as associate director of development...**Emil Dorr-Dorynek** is welcomed as development officer...**Eric Chait** and **Laurie Singer** are new development associates...**Rebecca Allen** and **Holly Heston** are new Development and Public Affairs assistants.

ENTOMOLOGY: **Jerome G. Rozen**, curator, recently returned from a six-week expedition to the Atacama Desert of Chile and the Monte region of Argentina...**Michele Barcia** is a new research assistant...**Alfried Vogler** is a new research scientist.

EXHIBITION AND GRAPHICS: **Joel Pollick** joined as principal artist in Graphics.

FINANCIAL OPERATIONS: **Virginia Grant** joined as computer coordinator...**Stephen Kelly** is the new secretary.

FOSSIL HALLS-LIBRARY RESTORATION: **Dennis Wilson** is a new exhibition assistant.

GUEST SERVICES: **Youn-Jung Lee** and **Amy Pearle** were promoted from guest services assistants to guest services associates...**Lisa Rose** was promoted from secretary to Guest Services assistant.

HERPETOLOGY: In July Curator **Charles J. Cole** and his wife, **Carol R. Townsend**, associate, worked at Southwestern Research Station where they were joined by **Herbert C. Dessauer**, research associate, and Mrs. Dessauer. Dr. Cole and Ms. Townsend also assisted Dr. Dessauer in his new laboratory at Louisiana State University Medical Center...**Bertha Escalante** is a new part-time research assistant...Former Curatorial Assistant **Lucrecia Rodriguez** married Daniel Perez.

INVERTEBRATES: **David Jacobs** is a new research fellow.

LIBRARY: Special Collections has moved from building 11 to the Reading Room and Library corridor.

MAINTENANCE AND ENGINEERING: **Augustin Martinez** and **Alexander Sabados** were promoted from Museum attendant guards to senior Museum attendant guards...**William Charriez**, **Marie Delance**, **Thomas Nguyen** and **Ranji**

Singh joined as Museum attendant guards...**Kenneth Mick** is a new cleaning supervisor...**Michelle Fabius** joined as secretary.

MAMMALOGY: **Darrin Lunde** is a new scientific assistant...**Nancy Simmons** is a new research scientist.

MEMBERSHIP: **Katia Anguiano** and **Katia Barrow** are new part-time membership assistants...**Cynthia Morgan** is a new part-time membership desk assistant...**Sheila Greenberg**, manager, became a grandmother with the birth of Kyra Rebecca.

MINERAL SCIENCES: **Gregory Cavallo** was promoted from scientific assistant to senior scientific assistant.

MUSEUM SHOP: **Gabriela Bucero**, **Rosanna Caccaviello**, **Yasmeen Currie**, **Seema Gamadia**, **Daniel Gaulkin**, **Jennifer Honadel**, **Vanessa Perez**, **Louisa Pierre**, **Debra Spears**, **Michele Stewart** and **Jeffrey Usamanont** are new part-time sales assistants...**Brian Delaite** joined as assistant buyer.

NATURAL HISTORY MAGAZINE: **Mary Cullen** is the new secretary.

ORNITHOLOGY: **Walter J. Bock**, research associate, recently gave talks at the International Workshop on the Functional Anatomy of Cranial and Cervical Systems, in Vienna, and at a meeting of the Deutschen Ornithologen-Gesellschaft in Interlaken, Switzerland...Dr. Bock also gave a series of lectures at the University of Camerino in Camerino, Italy...Lamont Curator **Lester L. Short**, his wife Jennifer Horne, **C. Craig Farquhar**, the new Chapman Research Fellow, and **Patricia Escalante**, graduate student, gave talks at the IV Neotropical Ornithological Congress in Quito, Ecuador...Ms. Escalante also successfully defended her Ph.D. dissertation...**Helen Hays**, chairwoman, Great Gull Island committee, presented a paper at the annual meeting of the American Ornithologists Union in Montreal and she also gave a talk to the Audubon Society of Mystic, Conn...**Robert F. Rockwell**, research associate, attended the fourth Alaska Bird Conference in Anchorage...**Farah Mehar** joined as Spotted Owl Project Supervisor...**Helen Kwon** is a new secretary.

PLANETARIUM: **Dennis Davidson**, astronomical artist, is working on a NASA fine arts program...**Sandra Kitt**, librarian, had a ninth novel published by Harlequin Books...**Pablo DeJesus** is a new part-time Planetarium assistant...**Edward Su** is a new part-time sales assistant.

VERTEBRATE PALEONTOLOGY: Members of the department attended and gave talks at the Society of Vertebrate Paleontology meeting in San Diego...**Mark Norell**, assistant curator, married Vivian Pan, Nov. 1.

* * *

The Museum regrets the passing of **George E. Petersen**, a retired Museum employee who died on Aug. 31, at the age of 86. Mr. Petersen joined the Department of Preparation and Installation in 1933. He assisted in the preparation of the Carl Akeley Hall of African Mammals and in the Whitney Hall of Oceanic Birds, and collected material for numerous Museum dioramas. Mr. Petersen's article on how to fabricate greenery, published in Curator in 1958, is considered a definitive piece on the subject. He retired from the Museum in 1973.

* * *

The Museum also mourns the death of **Adelaide J. Burns**, who died Oct. 31, at the age of 73. Mrs. Burns joined the Museum in 1941 and worked as executive secretary to Charles M. Breder, former chairman and curator, of the Ichthyology department; she worked in the same capacity for Albert E. Parr, former Museum director. She retired in 1956. Mrs. Burns is survived by her husband, **William A. Burns**, who was Mr. Parr's assistant from 1952 to 1959.

MUSEUM TO EXHIBIT NEWLY DISCOVERED FOSSIL RELATIVE OF HUMANS AND APES

The fossil of a newly discovered species of prehuman that gives insight into the beginnings of the evolutionary split between humans and their closest relatives will be displayed at the Museum beginning Tuesday, March 31.

Called *Otaviipithecus*, it lived approximately 13 million years ago and is a member of an almost unknown group, the kenyapithecines, which are the direct ancestors of the African great apes and humans.

In conjunction with the opening of the exhibit, on Saturday, March 28, the Museum will conduct a scientific workshop entitled "Apes or Ancestors?" Key researchers from around the world will bring specimens and casts of prehuman fossils for a discussion of one of the least known areas of paleoanthropology, the middle Miocene from 16 to 11 million years ago, just when ape and human lines may have started their divergence.

Otaviipithecus was found last summer on an abandoned mine dump in Namibia, Africa, by a joint American-French paleontology team. John Van Couvering, editor of Micropaleontology Press, was a member of the team, which was led by Glenn Conroy of Washington University in St. Louis, and included Martin Pickford and Brigitte Senut of the Institut de Paleontologie at the Musee National d'Histoire Naturelle in Paris.

Otaviipithecus will be the first African Miocene hominid fossil ever to be put on display in the United States. The fossil, which takes its name from the Otavi Mountain region

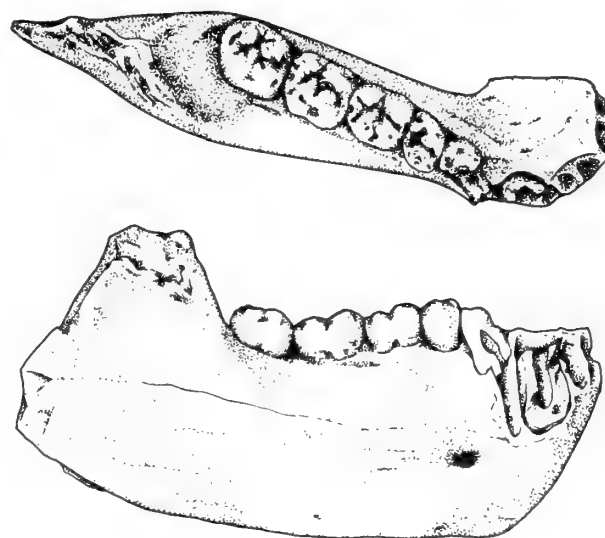
of Namibia where it was found, consists of a jawbone with three molars, two bicuspid, the broken root of a large tusk-like fang and sockets for a row of small front teeth. The living animal was an adult male, about two-thirds the size of a grown human.

Otaviipithecus dates from a crucial period in human evolution about which very little is known. There is a large gap in the African fossil record between 13 and five million years ago, during which the evolutionary split occurred between the African great apes on one hand, and the line leading to humans on the other. At approximately 13 million years of age, *Otaviipithecus* represents one of the few clues we have about the origin of the divergence between apes and humans.

The discovery of *Otaviipithecus* indicates that the kenyapithecines were more abundant, diversified and common than has been suspected, and opens up a new area of Africa in which the search for hominid fossils can be planned.

The exhibit will feature other fossils found with *Otaviipithecus* which enable scientists to date the find and show some of the creatures that shared its world.

A family tree of human evolution will place *Otaviipithecus* in our lineage, and photographs of the discovery site will be on display. In addition, some of the extremely rare and spectacular minerals found in the mines from which *Otaviipithecus* came will also be on view.



Otaviipithecus fossil

MEMORIAL SERVICE PLANNED FOR MALCOLM ARTH

A Museum commemorative service is being planned for the spring in memory of Malcolm J. Arth, chairman emeritus of the Department of Education, who died Jan. 13, at his residence in Manhattan.

Dr. Arth, who was 61, headed the Education Department for 21 years until his retirement last September. In 1987, he characterized the department's mission as "broadening our audience base and enabling our visitors to get as much as possible out of what the Museum has to offer."

Dr. Arth was the founder and chairman of the Museum's internationally acclaimed Margaret Mead Film Festival, which completed its 15th year last fall as a prime showcase for anthropological films.



Malcolm J. Arth

Dr. Arth was born in Boston. He earned a Ph.D. in anthropology at Harvard. Before coming to the Museum, he was chairman of the Anthropology Department at Adelphi University.

As an anthropologist, he traveled to the American southwest where he studied Navajo and Zuni Indian culture. His field research also took him to several West African countries, and to China, India, Sweden and the Soviet Union.

At the American Museum of Natural History, Dr. Arth established or expanded many education programs including the overnight "camp-in," training programs for teachers and pupils, community programming, adult continuing education, and a teaching assistant program for anthropology exhibitions.

A staff training exchange program with the National Museum of Natural History in Delhi, India, and mini courses for local school classes were also established under Dr. Arth's leadership.

In 1972, Dr. Arth served on the American Association of Museums National Committee on Urban Museums which issued recommendations in its report, "Museums: Their New Audience." The report reflected many of Dr. Arth's views on broadening museum services to inner-city populations.

Dr. Arth's professional positions included an appointment to the Joint Museums Committee of the Indo-U.S. Subcommittee on Education and Culture. He was Senior Museum Associate at the Getty Trust Museum Management Institute at the University of California, Berkeley, and adjunct professor at New York University's graduate program in museum studies.

His many honors and awards included a citation for achievement in the field of museum education by the New York City Museum Educators Roundtable in 1990, and the Museum Educator's Award for Excellence, presented in 1986 by the Standing Professional Committee on Education of the AAM.

Dr. Arth is survived by his father, L. Robert, of Quincy, Mass., a brother, Donald, of Randolph, Mass., and a sister, Mrs. Betty Jacobs, of Sharon, Mass.



Tristan Sheppard, 18 months, finds it easier to drink standing up. He is the son of Nora Sheppard, J.H.S. Natural Science Program lecturer in Education



Karen, 6, and Derek Appiah, 9, children of Elizabeth Appiah, Museum attendant, guard, prepare to sample the party popcorn



Sean Higgins, 2, and Grabrella Zanengo, 18 months, grandchildren of Charles Weaver, deputy director for administration, linger over the holiday meal



Ryan Jason, 6, and Rosanna Bhim, 4, feast on sandwiches. Ryan is the nephew and Rosanna the daughter of Chrisendat Bhim, senior Museum attendant guard



Desiree Torres, 6, niece of Louis Padin, senior Museum attendant guard, sits very patiently while having her face painted

CHILDREN'S CHRISTMAS PARTY IS OUTSTANDING

Hundreds of children and their families participated in a beloved Museum holiday tradition, the annual Children's Christmas Party, held on Dec. 18.

The evening started off at the Planetarium with a special laser holiday show, then moved on to the Hall of Ocean Life where everyone dined on a delicious feast of hot dogs, coke and ice cream while the children waited to meet Santa and receive their gifts.

Alan Ternes, editor of *Natural History* magazine, was ebullient as ever in the role of Father Christmas. Ernestine Weindorf, assistant to the publisher of *Natural History*, and Jean Augustin, senior Museum technician, performed the holiday magic of organizing the party.



Magda Witek, 2, confides her holiday wishes to Santa. She is the daughter of Andrzej Witek, assistant manager in Maintenance and Engineering



Christine, 4, left, and Jillene Sealy, 3, the grandchildren of Thelma Scantlebury, Museum attendant guard, wait their turn at the activity tables



Sunita Gokool, 6, daughter of Sankar Gokool, associate manager of Building Services, enjoys a peanut butter and jelly sandwich

HERE AND THERE

ANTHROPOLOGY: **Ian M. Tattersall**, chairman and curator, attended meetings as a member of the French Ministry of Culture's Advisory Committee for the new Museum of Prehistory at Les Eyzies. . . **David Hurst Thomas**, curator, **Joseph Jiminez**, scientific assistant, and **Lori Pendleton**, material cultural analyst, attended the 25th annual Conference on Historical and Underwater Archaeology in Kingston, Jamaica. . . **Enid Schildkrout**, curator, was appointed to a National Endowment for the Humanities grant review panel.

. . . **Barbara Conklin**, collections registrar, attended the annual Meeting of the Institute of Andean Studies in Berkeley. . . **Laurel Kendall**, associate curator, was a discussant at a conference on Confucianism and Late Choson Korea at UCLA. She also gave papers at the East-West Center in Honolulu, and at the New York Academy of Sciences. . .

Robert Carneiro, curator, gave a talk to the department on "The History of Ecological Interpretation of Amazonia". . .

Diana Salles joined as senior artist. . . Dr. Kendall, Dr. Schildkrout and **Charles Spencer**, associate curator, are teaching courses at Columbia University.

BUILDING SERVICES: **Robert Fantauzzi**, **Margaret Gonzalez**, and **Jose Martinez** are new Museum attendant guards.

DEVELOPMENT: **Lynn DeBow** joined as associate director.

ENTOMOLOGY: **James Carpenter** is a new associate curator. . . **Donna Englund** is a new secretary.

EXHIBITION AND GRAPHICS: **Larry Langham** was promoted from assistant exhibition designer to exhibition designer. . . **Gerhard Schlansky** was promoted from senior principal preparator to exhibition designer. . . **Joel Pollick** was promoted from graphics artist to principal artist.

FINANCIAL OPERATIONS: **Robert Moran** joined as budget analyst.

FOSSIL HALLS-LIBRARY RESTORATION: **Steven Warsavage** was promoted from curatorial assistant to supervising exhibition assistant. . . **Jenny Lee** is welcomed as exhibition assistant. . . **Sara Wilson** is the new secretary.

GENERAL SERVICES: **Darnell Smith** and **Gregory Winston** were promoted from clerk to senior clerk. . . **Glenn McCullough** is a new clerk.

GUEST SERVICES: **Amy McLaughlin** is the new secretary.

HERPETOLOGY AND ICHTHYOLOGY: **Margaret S. Shaw**, assistant to the chairman, retired in January after 37 years at the Museum. Ms. Shaw, better known to her colleagues as "Peggy," joined the Department of Ichthyology as a secretary in 1955. . . **Darrel R. Frost**, assistant curator, did research at the University of Texas at Arlington.

LIBRARY: **Nina J. Root**, chairwoman, **Donald Jacobsen**, assistant director for reference services, and **Barbara Rhodes**, conservation manager, attended the mid-winter meeting of the American Library Association in San Antonio. . . Mr. Jacobsen is a member of the Maps and Geography Round Table. . . **Susan Woods** was promoted from part-time library assistant to senior clerk. . . **Edward Evans** is a new senior clerk. . . **Michael Hall**, **Robert Papell** and **Barbara Stettler** joined as part-time library assistants.

MAINTENANCE AND ENGINEERING: **Gloria Gutierrez**, **John Johnson**, **Milton Lovelace**, **Michael Muniz**, **Dorin Pantea**, **George Parker** and **Larry Scott** are new Museum attendant guards.

MEMBERSHIP: **Larry Ross** is a part-time membership assistant.

NATURAL HISTORY MAGAZINE: **Susan Logan** is a new secretary. . . **Cary Castle**, circulation director, and his wife

Sally, are the parents of a baby girl, Nora Marie.

ORNITHOLOGY: The Great Gull Island Project received a grant from the Bernice Barbour Foundation. The funds will be used to expand areas where Roseate Terns nest on the Island. . . Great Gull also received an anonymous grant to fund computerization of data. . . Research Associate, **Walter J. Bock**, gave a paper at the International Conference on Environmental and Hormonal Approaches to Ornithology, at Garhwal University in Srinagar, India. . . Research Associate

Robert W. Dickerman, and David S. Lee of the North Carolina State Museum of Natural History were in Cuba in search of breeding colonies of the rare Black-capped Petrel. . . **Robert F. Rockwell**, research associate, and **Susan Ratner**, graduate student, gave papers at the First International North American Arctic-breeding Goose Conference in San Francisco. The conference was sponsored by the U.S. Fish & Wildlife Service. . . **Helen Hays**, chairwoman of the Great Gull Island Committee, gave a film-illustrated talk about the island to the New York Audubon Society. . . **Lester Short**, Lamont curator, and his wife, Jennifer Horne, studied honeyguides in central Kenya.

PLANETARIUM: **Suzanne Gurton**, astronomical writer/producer, married Glenn Chippindale.

VERTEBRATE PALEONTOLOGY: **Frank Ippolito** was promoted from senior artist to senior scientific assistant. . . **Lawrence Flynn** joined as project administrator.

NORMAN S. MATTHEWS JOINS BOARD OF TRUSTEES

Norman S. Matthews, retail and venture capital consultant, is a new member of the Board of Trustees.

The Board of Trustees guides Museum policy and carries financial responsibility for the institution.

Mr. Matthews is the former President and Vice Chairman of Federated Department Stores. Prior to that post, he served as the Senior Vice-President and General Merchandise Manager for E.J. Korvette, a department store.

Mr. Matthews began his career at Beacon Marketing Consultants and Beacon Advertising Agency, where he was a partner from 1956-1971.

He received an MBA from Harvard University in 1956, after completing his undergraduate studies at Princeton University in 1954.

Other activities include Mr. Matthews' directorships of The Progressive Corporation, The Gitano Group, Hills Department Stores, Loehmann's, and Lechters.

Mr. Matthews and his wife, Joanne, have three children and live in Purchase, N.Y.

MUSEUM EMPLOYEES MAKE UNITED WAY CAMPAIGN A SUCCESS

The Museum completed another successful United Way Campaign this year, raising more money than any other cultural institution in the New York City area. Reaching out to help those in need, the Museum staff donated more than \$16,000.

Steven C. Quinn, assistant manager in the Department of Exhibition, was chairman of the 1991 United Way Campaign. He headed the effort with the help of Lisa Stillman, assistant production manager of *Natural History* magazine, and Albert Grenzgi, assistant manager of construction, who together formed the coordinating committee.

Grapevine

American
Museum of
Natural
History

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CAUSES AND EFFECTS OF GLOBAL WARMING EXPLORED IN SPECIAL EXHIBITION



Learning a possible factor in global warming.

The threat of global warming has become an issue of great importance, both nationally and internationally. In an unprecedented collaboration, the American Museum of Natural History and the Environmental Defense Fund, a leading environmental advocacy organization, joined forces to produce the largest, most comprehensive exhibition on global warming ever developed.

Sponsored by Shearson Lehman Brothers, Inc., with a grant of more than \$1 million, "Global Warming: Understanding the Forecast," opened in Gallery 3 on Friday, May 15. The exhibition examines the causes and possible consequences of global climate change, and explores the process by which scientists make predictions and conclusions about global warming.

Addressing the growing public concern over the state of the environment, "Global Warming" presents the latest scientific information about the Earth's climate and the forces that have an impact on it. In the past, climate change has occurred naturally. In the future, it is possible that human activity could change the chemistry and possibly the dynamics of the Earth's atmosphere.

Future warming may be caused by rising levels of greenhouse gases, leading to an increased global average temperature. So-called greenhouse gases, which act like panes of glass in a greenhouse, trap heat in the atmosphere. They include carbon dioxide, methane and nitrous oxide.

One of the great advantages of the Museum and EDF partnership was the bringing together of two tremendous strengths in scientific research. From fossil records that date back millions of years, scientists at the Museum study how life on Earth has evolved amid dramatic changes in global climate. Scientists at EDF study potential future climate change and the possible effects of those changes.

In order to maintain the exhibition's accuracy and balance, George E. Harlow, Chairman and Curator in the Department of Mineral Sciences, Sidney S. Horenstein, Coordinator of Environmental Programs, and Malcolm C. McKenna, Frick Curator in the Department of Vertebrate Paleontology, formed

a committee with scientists from EDF. Their mission was to develop an exhibition that would inform the broadest possible audience about the process of climate change, its possible impacts, and what actions the public can take to reduce emissions of carbon dioxide.

The exhibition is comprised of models, specimens, multimedia displays, and interactive computers which clarify the link between our daily activities and the buildup of greenhouse gases in the atmosphere.

Eva Zelig, Exhibition Coordinator, worked closely with Stephanie Pfirman from EDF in coordinating and developing the exhibition and the related public programs.

A team from the Department of Exhibition and Graphics designed interactive computer systems which enable visitors to explore climate change from the planetary to the molecular level and to calculate how much they personally contribute to the growing amount of carbon dioxide in the atmosphere.

The Department of Education developed a series of pro-



Young visitors explore the possible consequences of polar ice cap melting in an exhibit showing potential flooding in Washington, D.C

grams in conjunction with "Global Warming," including a public symposium on global warming in October, 1992, teacher training workshops, field trips, a science fiction film festival, an environmental documentary film festival, and lectures and programs for elementary and secondary school classes.

In addition to Shearson Lehman Brothers' sponsorship, the National Science Foundation donated \$1 million to the exhibition, the largest award NSF has ever made to a traveling exhibition. "Global Warming" also received significant support from the John D. and Catherine T. MacArthur Foundation (\$650,000) and the Geraldine R. Dodge Foundation (\$200,000) among others.

"Global Warming" is the first of many upcoming programs which offer a chance for corporations and foundations to participate in the exciting future of the Museum.

TWO LONG-TIME EMPLOYEES RETIRE

Two long-time Museum employees retired this spring: Joseph Sedacca, Director of Graphics, and Herbert Kurz, Director of Public Affairs.

Mr. Sedacca retired on April 10, after 37 years of service in the Department of Graphics. Mr. Sedacca, a native New Yorker, studied at the Art Students League and Pratt Institute before coming to the Museum.

He joined the Museum on July 5, 1955, as Chief of the Graphic Arts Division. At the time the department had only a two-person staff—it grew during the years of Mr. Sedacca's tenure to a staff of five.

In a 1985 interview, Mr. Sedacca explained that he always tried to bring not only graphic art skills to his work, but also "skills on the three-dimensional level, a sense of theater and, of course, an ability to understand the material one is presented with and make it comprehensible to the public."

One of Mr. Sedacca's most notable design projects was the installation of the exhibition, "Pompeii AD79," which was among the first Gallery 3 exhibitions. He also contributed to the design of the current exhibition, "Work in Progress: Drawing Board to Dinosaurs," which is now on view in Gallery 77.

Mr. Kurz joined the Museum on March 31, 1980 and retired on March 31 after 12 years of leading the Office of Public Affairs and bringing the Museum's research, exhibitions, and special programs to the attention of people across the country and the world.

As the Museum developed an ambitious program of producing special traveling exhibitions, Mr. Kurz helped make those exhibitions a success by coordinating publicity and advertising campaigns to promote them.

Mr. Kurz also organized the press and public openings of a number of permanent exhibitions: The Margaret Mead Hall of Pacific Peoples; the Gardner D. Stout Hall of Asian Peoples, and the Hall of South American Peoples. In addition, he coordinated media coverage of the highly successful debut of the Naturemax Theater.

The Museum's scientific discoveries and achievements were also the focus of much attention in the media thanks to Mr. Kurz's efforts.

We wish both Mr. Kurz and Mr. Sedacca the very best in their retirement.

ANNUAL VOLUNTEER RECEPTION



At the annual volunteer reception, President George D. Langdon, Jr., and Lucy Adams, Director of Volunteer Services, congratulate volunteers Carolyne Linbom and Melissa Burroughs for extraordinary service to the Museum. Ms. Adams commended all volunteers for a remarkable year of service, which included 100,000 hours of work, tours to 31,000 visitors and 21,000 school children. During the past year, volunteers brought in \$170,000 of sales in the gift shop and \$58,000 in membership. Mr. Langdon expressed the appreciation of the entire Museum community for the volunteers' unflinching support. Volunteers work, on average, more than 8,000 hours each month.

"AFRICAN REFLECTIONS" WINS AWARDS

"African Reflections: Art from Northeastern Zaire," co-authored by Enid Schildkrout, Curator in the Department of Anthropology, has been chosen as an "Outstanding Academic Book for 1991" by *Choice* magazine, the major review publication for academic libraries. "African Reflections" is the catalog for the American Museum of Natural History exhibition of the same name, and was published by the Museum and the University of Washington Press. "African Reflections" also received the Arnold Rubin Book Award, given once every three years by the Art Council of the African Studies Association for the best book on African art.

QUARTER CENTURY CLUB INDUCTS NEW MEMBERS



Seven new members were welcomed into the Quarter Century Club at the 43rd annual recognition dinner held

this year on May 7, in the Hall of Birds of the World. The new inductees are, from left to right: Delbert Parker, Moving Supervisor in Building Services, Rose Wadsworth, Coordinator of Traveling Exhibitions, Albert Pontecorvo, Supervising Museum Attendant Guard, Eugene Bergmann, Senior Exhibition Designer, M. Norma Feinberg, Senior Scientific Assistant in Ichthyology, and Guy Musser, Chairman and Curator in Mammalogy. Carl Hilgers, Assistant Manager in the Metal and Mason Shop, not pictured, was also a new member. Approximately 55 members of the Club attended the dinner, during which Director William J. Moynihan and President George D. Langdon, Jr., expressed appreciation for each of the new members' 25 years of dedicated service to the Museum.

THREE NEW CURATORS JOIN MUSEUM

Three new curators have joined the staff of the Museum since last summer. They are James Carpenter and Rob DeSalle in the Entomology Department, and Charles Spencer in the Anthropology Department.

Dr. Carpenter comes to the Museum from Harvard University where he was an Associate Professor of Biology and an Associate Curator in Entomology at Harvard's Museum of Comparative Zoology.

An Associate Curator, Dr. Carpenter is studying the taxonomy and behavior of Hymenoptera, or ants, bees and wasps. His primary interest lies in stinging wasps and determining the relationships between families of social wasps.

Dr. DeSalle arrives at the Museum from a professorial post in Yale University's Biology Department. Dr. DeSalle is an Assistant Curator in Entomology and Co-director of the Molecular Systematics Laboratory. It is in the Lab that scientists gain genetic information about species to understand their evolution. Dr. DeSalle's specialty is *Drosophila*, a group closely related to the common lab fruit fly.

Both Dr. Carpenter and Dr. DeSalle credit much of their reason for joining the Museum to its leadership role in the field of systematics.

Dr. Spencer, who comes to the Museum from the University of Connecticut's Anthropology Department, is an Associate Curator in Anthropology specializing in Latin American archeology.

For twenty years he has studied, through site excavations and surveys, two ancient Latin American societies. In Oaxaca, Mexico, Dr. Spencer has investigated the rise of the earliest state society in pre-Hispanic Mexico; in Barinas, Venezuela, he has chronicled the emergence of one of the oldest chiefdoms in the western plains of the Orinoco Basin.

Dr. Spencer will travel to Oaxaca in July and Barinas in August to continue his research.

MUSEUM PARTICIPATES IN WALK FOR CITIES



On Saturday, May 16, seven Museum staff members represented the Museum at the "Save Our Cities, Save Our Children" march in Washington, D.C. Pictured from left to right are: Eugenia Llanes, Senior Attendant Guard, Kate Bennett Mendez, (formerly of the Museum and now Director of the Staten Island Children's Museum), Lisa Stillman, Assistant Production Manager of *Natural History*, Deryck Gill, Museum Maintainer, Osborne Elliot, a former Museum trustee, Barbara Jacob, Internal Auditor, Margaret Fretz, Supervisor of the Information and Sales Desk, Angel Scott, Naturemax Assistant Manager and Alan Ternes, Editor of *Natural History* magazine. Mr. Elliot co-chaired the march with Raymond Flynn, Mayor of Boston. The marchers, approximately 100,000 in total, walked from the Capital to the Washington Monument where they heard speeches by New York City Mayor David N. Dinkins and the Reverend Jesse Jackson, among others.

MUSEUM MOURNS TWO RESEARCHERS

The Museum community mourns the deaths of two members of the scientific staff, Charles Mitchell Bogert, Curator Emeritus in the Department of Herpetology, and Carin Burrows, Associate in the Department of Anthropology.

Dr. Bogert died on April 10, at his home in Santa Fe, New Mexico. He was 84.

Dr. Bogert joined the Museum in 1936 as Assistant Curator in the Department of Herpetology, becoming Associate Curator in 1942 and Curator in 1943. He was appointed chairman of the department in 1945 and held that position until his retirement in 1968. Following his retirement, he served as adjunct professor at the University of New Mexico.

He received his A.B. degree in 1934 and his A.M. degree in 1936 from the University of California, Los Angeles. He received an L.L.D. from that institution in 1966.

Dr. Bogert's research examined the behavior, distribution, taxonomy and morphology of reptiles and amphibians, as well as the ecology and evolution of reptiles. He conducted ground-breaking research on temperature control mechanisms in reptiles and amphibians, and did pioneering work recording and analyzing the sounds of toads and frogs.

Dr. Bogert was a fellow of the American Association for the Advancement of Science, the New York Academy of Science, and the New York Zoological Society. He was a member of the board of the American Society of Ichthyologists and

Herpetologists and served as its vice-president from 1941 to 1942 and president from 1952 to 1954. He was the first president of the Herpetologists' League, in 1946.

Dr. Bogert is survived by his wife, the former Martha Meredith Ruby, and a daughter, Patricia B. Holbrook.

Ms. Burrows died on March 6 at her home in Manhattan after a lengthy illness. She was 72.

Ms. Burrows specialized in the study of Tibetan religion and served for close to 15 years as the acting curator of the Museum's Tibetan collection. She also planned and prepared the section on Tibetan religion in the Gardner D. Stout Hall of Asian Peoples.

Ms. Burrows first came to the Museum as a volunteer working for Harry L. Shapiro, then Chairman of the Department of Anthropology. In 1964, she started her long association with Tibetan studies as she became the assistant to Antoinette K. Gordon, the Museum's Tibetan specialist. At Mrs. Gordon's retirement in 1968, Ms. Burrows was appointed to the staff as Associate and she took over the position of acting curator of the Tibetan collection. She had become a recognized expert in Tibetan religion before her retirement in the 1980's.

She is survived by her sister, Jeri Goss of Seattle, and her stepchildren, James Burrows and Laurie Burrows Grad of Los Angeles.

DEVELOPMENT UPDATE

The Development Office is continuing to solicit major support for the new Hall of Human Biology and Evolution, scheduled to open in mid-1993. Toward the \$6.7 million cost of the Hall, the Museum has secured over \$2.6 million in private donations. The grants come from a variety of sources, including: The Lila Wallace Fund (\$915,000); Bristol Meyers Squibb (\$500,000); The National Science Foundation (\$500,000); the Booth Ferris Foundation (\$150,000); and the Richard Lounsbery Foundation (\$150,000). The New York Times Corporation has donated \$300,000 for the Hall's Interactive Newspaper, an interactive computer exhibit that will present changing information and new discoveries in human evolution. And a long time supporter of the Planetarium, the Charles Hayden Foundation, has contributed \$150,000 to build the forty-seat classroom in the Hall.

HERE AND THERE

ANTHROPOLOGY: **John Hyslop** was promoted from Scientific Assistant to Senior Scientific Assistant. . . **Keith Boro** joined as part-time Collections Photographer. . . **Hilary Chester** is a new part-time Material Culture Analyst. . . **William H. Weinstein**, System Analyst, married Laura Young. . . **Laurel Kendall**, Associate Curator, presented a paper at a colloquium on Discourses of Identity in Asian Studies at New York University. Dr. Kendall and **Thomas Miller**, Scientific Assistant, also attended the annual meeting of the association for Asian Studies in Washington. . . **Sasha Stollman**, Assistant Conservator, visited museums and conservation laboratories in South Africa. . . **Craig Morris**, Curator, spoke at the Smithsonian Institution as a guest of the Peruvian Embassy and the Institute. Dr. Morris and Dr. Hyslop also surveyed the Chincha kingdom's road system in Peru. **Jaymie Brauer**, Scientific Assistant, gave a poster presentation at the American Association of Physical Anthropologists meeting in Las Vegas. . . **Paul Goldstein**, Scientific Assistant, did fieldwork in Chile, Bolivia, and Peru. . . **Judith Levinson**, Conservator, was made an adjunct professor of conservation at New York University. . . **Elsa Redmond**, Research Associate, **Charles S. Spencer**, Associate Curator, **Lorann Pendleton**, Material Culture Analyst, Dr. Thomas, **Martha Graham**, Traina Research Fellow, and Mr. Goldstein, gave papers at the Society for American Archaeologists meeting in Pittsburgh.

BUILDING SERVICES: **Tadeusz Benkowski**, **Edward Levens** and **Buenaventura Morales** were promoted from Museum Attendant Guard to Senior Attendant Guard. . . **John Scacalossi** is a new Assistant Manager. . . **Christopher Rodriguez** joined as Museum Attendant Guard. . . **Michelle Rosenstam** and **Sharon Dwyer** are new Secretaries.

CONSTRUCTION: **Alfred Sigler** was promoted from Museum Maintainer to Assistant Manager.

EDUCATION: **Ismael Calderon** was promoted from Coordinator of Community Programs to Manager of Science and Multicultural Outreach Programs. . . **Nathaniel Johnson** was promoted from Special Programs Coordinator to Manager of Adult Programs and Special Projects. . . **Stephanie Penceal** was promoted from Assistant Community Programs Coordinator to Coordinator for Community Programs. . . **Talbert Spence**, Chairman, and a group from the Museum attended a one-day meeting at the Massachusetts Institute of Technology in Boston to discuss future collaboration. Mr.

"CHIEFLY FEASTS" WINS AAM AWARD

"Chiefly Feasts: The Enduring Kwakiutl Potlatch," was selected as one of the winning exhibitions in the Fourth Annual Curators' Committee Exhibit Competition of the American Association of Museums. Of a field of 47 exhibitions from the United States and Canada, four were chosen for this honor. "Chiefly Feasts" is currently on view at the Royal British Columbia Museum in Victoria, B.C., where it opened on Friday, June 3. The exhibition will be on tour through 1994.

TRUSTEE NEWS

Museum Trustee Frederick P. Rose has been named Philanthropist of the Year by the Greater New York Chapter of the National Society of Fundraising Executives. Mr. Rose, Chairman of the Board of Rose Associates, a real estate investment firm, joined the Museum's board in spring, 1991.

Spence was also appointed to serve a one-year term as a member of the National Science Foundation Advisory Panel for Informal Science Education. . . **Craig Vitamanti**, Coordinator of Education Volunteers, was a panelist at a two-day conference sponsored by the New York City Museum Educators. . . **Robert Jahn** joined as part-time Supervisor for the Frederick H. Leonhardt People Center.

FOSSIL HALL-LIBRARY RESTORATION: **Vito Cannella**, **John Fulton**, **Gerard Gallagher**, **Jesse Goode** and **Marc Mancini** are new Exhibition Assistants.

GENERAL ACCOUNTING: **Sheila McCormick** was promoted from part-time Accounting Assistant to Accounting Assistant.

GENERAL SERVICES: **Craig Isaac** was promoted from part-time Naturemax Assistant to Clerk. . . **Robert Weinstein** is a new Senior Clerk. . . **Pamela Parlakian**, Assistant Manager, married Claude Villani on May 1.

HERPETOLOGY AND ICHTHYOLOGY: **Irene Palser** is welcomed as Administrative Secretary. . . **Valerie Schawaroch** is a new part-time Collections Assistant.

LIBRARY SERVICES: **Andrea LaSala**, Special Collections Librarian, attended a workshop on the management of special collections sponsored by the New York Metropolitan Reference and Research Agency. . . **Diana Shih** and **Hilda Minarik**, Cataloging Librarians, attended a reception for librarians at New York Public Library.

MAMMALOLOGY: **Peter Goldberg** joined as a part-time Archivist.

MEMBERSHIP: **Lisa Eulau** joined as part-time Sales Desk Assistant.

MUSEUM SHOP: **Gonzalo Fernandez** was promoted from part-time Sales Assistant to full-time Sales Assistant. . . **Danielle Gottesman** is a new part-time Sales Assistant.

ORNITHOLOGY: **Helen Hays**, Chairwoman of the Great Gull Island Committee, presented a film about Great Gull Island to audiences at Goucher College, the Housatonic Audubon Society, and the Hudson-Hawk Bird Club.

PLANETARIUM: **Farrah Shaikh** is a new part-time Sales Assistant.

PRESIDENT'S OFFICE: **Robert Serra** joined as aide to the President.

PUBLIC ADMISSIONS: **Angel Scott** was promoted from Secretary to Assistant Manager for Naturemax.

VOLUNTEER OFFICE: **Nicole Gordon** is a new part-time Telephone Supervisor.

GRAPEVINE

American Museum of Natural History • July-September 1992 • Vol. 49, No. 3

Margaret Mead Film & Video Festival Celebrates Cultural and Ethnic Identity

Since its founding in 1976, the Margaret Mead Film & Video Festival has become the prime forum for documentaries on Western and non-Western cultures. The 16th annual Festival will be held at the Museum from Tuesday, Sept. 29, through Sunday, Oct. 4.

Established by Malcolm Arth, former Chairman of the Department of Education, the Mead Festival was conceived as a tribute to anthropologist Margaret Mead. The Festival has since grown in its scope and its influence, becoming the Museum's most popular

adult public program.

The Festival is enhanced this year by the support of a new Advisory Committee made up of outstanding anthropologists, independent filmmakers, and film festival programmers, including: Michael Apted, producer of the critically acclaimed films "7 Up 28 Up" and "Incident at Oglala;" Bill Moyers, respected national news journalist; and Fred Wiseman, renowned film documentarian whose works include "Titicut Follies" and "Aspen." Mary Catherine Bateson, Margaret

(continued on page 4)



Filmmaker Bob Connolly with Joseph Madang, leader of the Ganiga tribe of Papua, New Guinea, from the film "Black Harvest"

SINCE THE GRAPEVINE WAS ESTABLISHED UNDER MUSEUM DIRECTOR ROY CHAPMAN Andrews in 1937, it has been a means of keeping the Museum community informed about everything from new employees to Museum events. Over the 55 years it has been published, many changes have occurred at the Museum and with the GRAPEVINE. This issue is the latest development in the GRAPEVINE's evolution. A new format and logo have been designed with the help and talent of the Graphics Department, and a series of new features are being planned. If there is something you would like to see in the GRAPEVINE, be it a monthly feature or a specific story, your input would be more than welcome. Please contact the Public Affairs Office at extension 5800 with comments or suggestions.

"The Prehistoric Mammals of Charles R. Knight" Gives Glimpse of Vanished World

Woolly mammoths, saber-toothed cats, and giant sloths are now appearing in the Akeley Gallery in the exhibition: "The Prehistoric Mammals of Charles R. Knight," an Arthur Ross Exhibit of the Month.

The exhibition, created with the generous help of Knight's granddaughter, Rhoda Kalt, features more than 30 paintings and sculptures of early mammals by Charles R. Knight, (1874-1953), one of the first artists ever to recreate creatures and environments of prehistoric eras based on careful study of the fossil record.

Knight began his professional career at the American Museum of Natural History, working closely with Henry Fairfield Osborn, founder of the Museum's Department of Vertebrate Paleontology. Knight produced artwork that combined scientific study and great beauty, and has, to a large extent, shaped the popular image of prehistoric life forms.

The tremendous realism Knight achieved in recreating long-extinct creatures came from a painstaking study of living animals. He spent hours sketching and observing their behavior and meticulously studying their anatomy.

To create a painting of an extinct animal, Knight

would first study its fossil skeleton and consult with scientists, learning everything possible about the creature. He would then make a miniature sculpture of the animal to work out the exact form of each muscle.

"I never think of a fossil animal as being dead, but always picture it in my mind's eye as alive – an animated, breathing moving machine which stands, walks, fights or otherwise conducts itself after the fashion of a living creature."

–Charles R. Knight

Only then would Knight set out to paint his final work.

"The Prehistoric Mammals of Charles R. Knight," on display until November 1, includes six studies for huge murals painted for the Museum to depict different geological epochs. Several of Knight's murals which have not been on view for decades are being refurbished and will be displayed in the new fossil halls. Another Knight mural showing Cro-Magnons creating a cave painting, is being restored for the Hall of Human Biology and Evolution.



Catlike carnivore Dinictis chasing the six-horned Protoceras

Museum Community Mourns Death of Trustee Julia Serena Di Lapigio

It is with great sorrow that the Museum mourns the death of Trustee Julia Serena di Lapigio, who died on Tuesday, August 25, at the age of 34.

Mrs. Serena di Lapigio joined the Museum's Board of Trustees in 1986. She was instrumental in planning and implementing many of the Museum's important benefit events and was a former Chairperson of the Junior Committee.

She helped found the Friends of the American Museum of Natural History, and served on that group's Executive Committee. Mrs. Serena di Lapigio was also a member of the Development Committee and the Education and

Exhibition Policy Committee of the Board of Trustees.

Her deep concerns with conservation and environmental issues were reflected in her dedicated work on the Museum's 1990 "Biodiversity Symposium."

Mrs. Serena di Lapigio, who held degrees in Anthropology from the University of Pennsylvania (B.A.) and Columbia University (M.A.), also served as a member of the board of the Spoleto Festival U.S.A.

Mrs. Serena di Lapigio is survived by her husband, Ottavio; her children, Ascanio and Giulio; her parents, Henry and Payne Middleton; and her sisters, Laurinda Oswald and Alison Middleton.

Shirley M. Malcom New Member of the Museum's Board of Trustees

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Shirley Mahaley Malcom, head of the Directorate for Education and Human Resource Programs of the American Association of the Advancement of Science (AAAS), is a new member of the Museum's Board of Trustees.

The directorate Dr. Malcom currently oversees is responsible for organizing AAAS programs in education and public understanding of science

and technology. Under her leadership, the AAAS has established itself in science education through programs that reach underrepresented populations in science and engineering: Blacks, Hispanics, women, and people with disabilities.

Prior to her present position, Dr. Malcom was head of the AAAS Office of Opportunities in Science from 1979 to 1989. Between 1977 and 1979, she served as program manager in the National Science Foundation's Minority Institutions Science Improvement Program. Before holding this post, she was Assistant Professor of Biology and Coordinator of the Environ-

mental Studies Program at the University of North Carolina, Wilmington.

Dr. Malcom received her doctorate in ecology from Pennsylvania State University. She holds honorary degrees from the College of St. Catherine, the New Jersey Institute of Technology and St. Joseph's College.

Dr. Malcom presently serves as Co-Chair of the National Institutes of Health's Task Force on Recruitment, Retention, Re-entry, and Advancement of Women in Biomedical Careers.

Dr. Malcom is a member of the governing board of the New Standards Project, a program to develop a system of educational assessments based on world class standards.

In addition, she is a member of the management council of the National Alliance for Restructuring Education and serves on the board of directors of the National Center on Education and the Economy.

Dr. Malcom has been widely recognized for her efforts to improve the education of young women and minority young people. In 1987, Dr. Malcom was one of five individuals honored by the National Council of Negro Women's "Salute to Black Women Who Make It Happen." In 1989 she received the Humanitarian of the Year Award from the National Coalition of Title I/Chapter I Parents and the National Medical Association's Scroll of Honor.

Three Museum Scientists Honored

Guy Musser, Chairman and Curator in Mammalogy, Gareth Nelson, Chairman and Curator in Herpetology and Ichthyology, and David Hurst Thomas, Curator in Anthropology, have all received prestigious awards recognizing their research contributions.

The American Society of Mammalogists has named Dr. Musser as the 1992 winner of its C. Hart Merriam Award. This award was established to give recognition to mammalogists with a record of excellence in scientific research and either education of mammalogists or service to the discipline of mammalogy. Dr. Musser received the award for "his seminal contributions to understanding the systematics of murid rodents and because he is internationally recognized as a classic systematist." He will give the plenary address at the 1993 meeting of the ASM in Bellingham, Washington.

Dr. Nelson was awarded the American Society of Ichthyologists and Herpetologists Robert H. Gibbs, Jr., Memorial Award for Excellence in Systematic Ichthyology. Prizes are awarded for an outstanding body of published work in systematic ichthyology. Dr. Nelson was recognized for his influential contributions on comparative anatomy of branchial arches, systematics of lower teleost fishes, and development and application of cladistic and biogeographic principles.

Dr. Thomas received the Franciscan Medal of Merit, given to scholars who have made outstanding contributions to Franciscan studies. The medal is presented by the Franciscan Institute of St. Bonaventure University. Dr. Thomas was presented the award for his work on St. Catherines Island. This is the first time the medal has been awarded to a non-Franciscan.

New Director Named for Discovery Tours

Susan Givens joined the Museum in June as the new Director of Discovery Cruises and Tours.

Ms. Givens has an extensive background in travel and tour operations. Her association with the American Museum of Natural History goes back a decade. During the last ten years she has served as cruise director for many Discovery Cruises. Her travels with the Museum include the first Discovery Tours to Borneo and Melanesia.

Before joining the Museum, Ms. Givens was the Assistant Director of International Programs at ELDER-HOSTEL, a non-profit education organization that develops programs for adults over the age of 60 in 45 different countries. Prior to that, she worked as a tour operator for Travel Dynamics, a non-profit educational travel group, where she had her first opportunity to travel with Discovery Cruises.

Ms. Givens received a B.S. in Journalism from Connecticut State University. She is currently working on her MBA at Radcliffe College.

Pauline G. Meisler, former Assistant Director for Financial Operations, has volunteered again this year to counsel Museum employees and/or their spouses free of charge on pre-retirement and retirement planning. Guidance will cover such topics as pension, social security, deferred savings (403B, 401K and IRA), investments, budgeting, housing, financing children's education, insurance and other related topics. Call 769-5130 to arrange an appointment.

World Premiere at the Hayden Planetarium Draws Enthusiastic Crowds

In June, the American Museum-Hayden Planetarium presented the world-premiere of the first 3-D laser show ever designed to be shown on a curved surface. "Laser Drive 3-D" features an elaborate combination of abstract laser imagery, computer graphic animation, a storyline, special sound effects, 3-D visuals and the music of U2, Yanni, Pink Floyd, Led Zeppelin and many others.

Audio Visual Imagineering, Inc. (AVI) and Chromatek Inc., creators of "Laser Drive 3-D," have developed ChromaDepth, a new technology for creating images in three dimensions. Rather than using double image projection, as done in traditional polarized red/green transparent film, ChromaDepth "decodes" color from a single two-dimensional image. Viewers wear lenses made of a paper thin holographic film that translates color into depth. Red images appear to loom overhead, while other brilliant colors float beyond. Blue designs and patterns recede farthest into the distance.

Since the same impact is delivered to any seat at any angle, the viewer need not be in a specific location

in the room. By manipulating the lens, ChromaDepth can assign any color to the foreground or background. The lens can also be adjusted to increase or decrease the apparent depth of the 3-D effect.

LaserDrive 3-D has been enthusiastically received by the public with sell-out shows and kudos from the crowds. It can be seen every Friday and Saturday evening at 7, 8:30, and 10 p.m.

Tickets are \$8.50 per person (\$7.50 for Participating & Higher Members.) Museum staff can attend the laser show at no cost by presenting their Museum badge.

For more information call the Laser Hotline at 769-5921.

Margaret Mead *(continued from page 1)*

Mead's daughter, is the Festival's Honorary Chairperson.

Selections from the Festival will travel nationally as the American Museum of Natural History's Margaret Mead Film and Video Festival. Plans are also under-way to bring the Mead Festival to television. The Museum is collaborating with WNYC-TV, in New York City, to air a series of international ethnographic films next spring.

Also new this year, the Department of Education is hosting a Festival Benefit, open to the public, on Friday, Oct. 2 at 7 p.m. The Benefit will feature a screening of the rarely seen film, "Margaret Mead: A Portrait by a Friend," and the premiere showing of a work-in-progress, "Margaret Mead: An Observer Observed." Festival filmmakers will be on hand at the reception to talk informally about their own films. Tickets are \$30.

Some of the highlights of this year's festival include: "Mixed Feelings," a U.S. premiere, opens the festival with an intimate look at the complexities of race and gender through the eyes of an interracial South African couple living in a black township.

"Summerhill at 70" explores the famous British school's controversial philosophy of allowing its pupils to make their own rules and curricula.

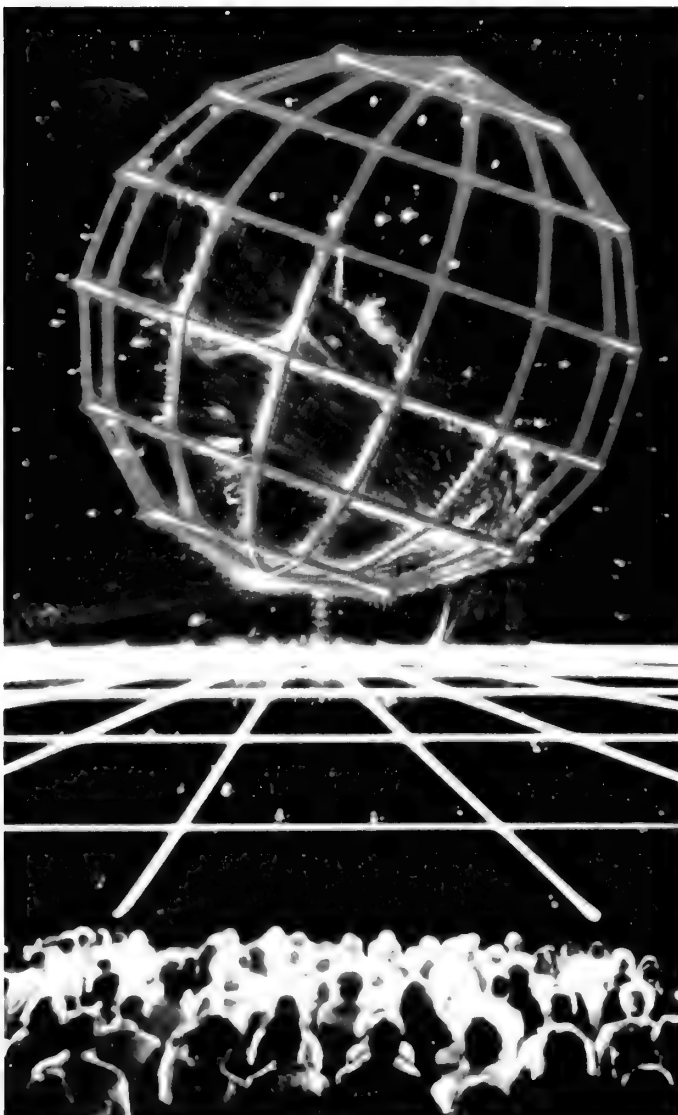
"Black Harvest" is a follow-up to a previous Mead Festival premiere, "Joe Leahy's Neighbors." In the new film, Joe Leahy, a mixed-race Papua New Guinea highlander and coffee plantation owner, tries to expand his operations and profits by joining forces with the Ganiga tribe, but tribal warfare gets in the way.

Other films premiering in this year's festival include: "Shayna Maydels: Orthodox Jewish Teenage Girls," the story of three girls who adopt Orthodox Judaism to their parents' dismay; and "Collecting America," an exploration of the American craze of collecting baseball memorabilia.

Passes for the entire 1992 Margaret Mead Film and Video Festival may be purchased in advance for \$40. Daily tickets will be sold at the door for \$10. Seating is on a first-come, first-served basis.

Full-time employees of the Museum can attend the Festival for free with the presentation of ID. Volunteers will be admitted at the membership rate of \$36 for an advance pass or daily passes at \$9.

The Festival Programmers are Elaine Charnov and Nathaniel Johnson in the Department of Education.



Audience views 3-D Laser Drive show

Longtime Museum Supporter May Rudin Dies

It is with a deep sense of loss that the Museum acknowledges the death of May Rudin, Director and Chairman of the Samuel and May Rudin Foundation and beloved mother of long-time Museum Trustee Jack Rudin. Mrs. Rudin died on Thursday, July 23, at the age of 95. Throughout the years, generous contributions from the Samuel and May Rudin Foundation have supported education and community programs at the Museum which have enriched the lives of thousands. As testament to the Rudin Family's commitment to education, the Rudin Family Education Fund is being established at the Museum as a result of \$1 million in contributions from the Samuel and May Rudin Foundation and Trustee Jack Rudin; the proceeds from this fund will be used to support Museum education programs that serve New York City schoolchildren and teachers.

Here and There

ADMISSIONS CONTROL: Ronald Casa is the new Assistant Manager.

ANTHROPOLOGY: Laila Williamson, Senior Scientific Assistant, recently returned from a five-week trip to Brazil where she collected artifacts of the Shavante Indians... "Inka Settlement Planning," authored by John Hyslop, Senior Scientific Assistant, was recently published by the University of Texas Press, Austin, Texas to glowing reviews... Laurel Kendall, Associate Curator, worked in Korea on a film about contemporary shamanism... Jaymie Brauer and Joe Jiminez were promoted from Scientific Assistants to Senior Scientific Assistants... Barbara Conklin, Registrar, attended the annual meeting of the Andean Institute in Berkeley, CA... Paul Beelitz, Collections Manager, attended the annual meeting of the Society for the Preservation of Natural History Collections in Lincoln, Neb... Curator Charles Spencer did an archeological survey of Oaxaca, Mexico and is finalizing lab analysis of surveys made in Barinas, Venezuela... Dawn Renschler, Technician, gave birth to a baby boy, Nolan Brian... Kelly Shropshire joined as Archaeological Field Assistant.

BUILDING SERVICES: Joyce Wallach was promoted from Assistant to the Manager to Office Manager... Rubin Wroten was promoted from Assistant Manager to Senior Assistant Manager... Timothy Flynn was promoted from Assistant Manager to Associate Manager... Sankar Gokool was promoted from Associate Manager to Senior Associate Manager... Delbert Parker was promoted from Senior Attendant Guard to Moving Supervisor... Alejandro Aybar, Brenda Cruz, Alexander Hodge, Parouf Indarjali, Ida Majeed and Thelma Scantlebury were promoted from Museum Attendant Guards to Senior Museum Attendant Guards... Joycelyn Martin was transferred from Museum Attendant Guard in Maintenance to Museum Attendant Guard in Building Services... Fidel De'Anda, Julissa Fremaint and John Nganje are new Assistant Managers... Kenneth Maragh, Felicia Ramdassie, Robert Strignano and Michael Warren joined as

Museum Attendant Guards.

CONSTRUCTION: Edward Berry is the new Assistant to the Manager... Joseph DiGiacomo joined as Electrician's Helper... Jose Melendez is a new Museum Maintainer.

DEVELOPMENT: Todd Wiener joined as Grant Writer... Lydia Bartholow is a new Development Coordinator... Eric Chait was promoted from Development Associate to Development Research Associate... Stephen Kelly was promoted from Secretary to Development Associate... Kate Grimes is welcomed as Development Associate... Lawrence Ludwig is a new Development Associate... T'Shawn Rivers, Development Associate, gave birth to a baby girl, Shaney Ashley, on June 22.

DISCOVERY TOURS: Former freelancers Penelope Bodry-Sanders, Education Coordinator, Carol Tucher, Promotion Coordinator and Mary Genett, Club Coordinator, are now full-time Museum employees.

EDUCATION: Chairman Talbert Spence participated in a two-week seminar on environmental education sponsored by the National Faculty Program for K-12 teachers in the state of Washington... Craig Vitamanti was promoted to Manager of Education Volunteers... Theodora Yoshikami was promoted from Asian Programs Coordinator to Asian Programs and People Center Coordinator... Ann Prewitt was promoted from Senior Instructor to Teacher Trainer... Marilyn Godsberg was promoted from Supervising Clerk to Assistant Registrar... Tony Guerrero and Lisa Sita were promoted from Museum Instructor to Senior Museum Instructor... Ana Castillo and Marisol Cruz joined as part-time Natural Science Center Assistants... Tung Cheng, Elizabeth Darcy and Wanda Rodriguez are Explainers for the exhibition "Global Warming"... Jay Holmes and Susan Holmes are new School Program Lecturers.

ENTOMOLOGY: Randall T. Schuh was appointed George Willett Curator. He also attended the International Congress of Entomology meeting in Beijing... Chairman and Curator Norman I. Platnick, attended a meeting of the International Congress of Arachnology in Brisbane, Australia... Jerome G. Rozen, Curator, participated in an International Workshop on non-Apis bees in Logan, Utah. Dr. Rozen also did field work at the Southwestern Research Station... James Miller was promoted from Kalbfleisch Curatorial Fellow to Research Scientist.

EXHIBITION: Director Samuel Taylor is the editor of the recently published book "Try It! Improving Exhibits Through Formative Evaluation," published by the Association of Science-Technology Centers... Rachel Kaufman is a new Secretary... Ellen Giusti is a new part-time Exhibition Evaluator.

FINANCIAL OFFICE Kyung Park joined as Manager of Cash Control... Carol Rosenbaum is a new Staff Accountant... Guy Dixon is a new Secretary.

FOSSIL HALLS-LIBRARY RESTORATION: Tracey Osborne is the new Secretary... Susan Illman joined as Photo and Graphic Researcher... Richard Weber is a new Exhibition Assistant.

GUEST SERVICES: Amy Perle was promoted from Guest Services Associate to Assistant Director of Guest Services.

HERPETOLOGY AND ICHTHYOLOGY: Linda Ford was

(continued on page 6)

promoted from part-time Project Manager to Project Manager...**Damaris Batista** and **Gina Gould** and are new part-time Curatorial Assistants.

INVERTEBRATES: **Ferdinand Vital** joined as summer Research Assistant...**Aleksandr Kostenko** is the new Boeschstein Research Fellow.

LIBRARY: Director **Nina Root** and **Donald Jacobsen**, Assistant Director for Reference Services, attended the Owen Centenary meeting of the Society for the History of the Museum of Natural History (British Museum) in London, where Ms. Root gave a paper on **Albert Smith Bickmore**, founder of the Museum...**Miriam Tam**, Assistant Director for technical services, and Ms. Root, attended the American Libraries Association Annual Conference in San Francisco. **Barbara Rhodes**, Conservation Manager, attended the annual meeting of the American Institute for Conservation in Buffalo, where she presented a poster on experimental work with Parylene "N" for consolidation of deteriorated leather book-bindings...**Sara Granato**, Reference Librarian, attended the Library association of CUNY Interlibrary Loan Roundtable...**Deborah Colchamiro**, Reference Librarian, attended a training workshop and a New York State Interlibrary Loan meeting in May...**Steven Kanaley** is a new Senior Clerk.

MAINTENANCE AND ENGINEERING: **Nelson Cruz**, **Lisa Johnson**, and **Jaime Rodriguez** are welcomed as Museum Attendant Guards...**Paulette Bailey** is a new Secretary...**Moses Clarke** was transferred from Planetarium Assistant to Museum Attendant Guard in Maintenance...**Phillip Bandhan** and **Roxanne Lewis** joined as Assistant Maintainers...**Zhi Zhao** is a new Lamping Assistant.

MEMBERSHIP: **Magda Ortega** is a new part-time Sales-Desk Assistant...**Margaret Tobin** is a new part-time Membership Assistant...**Nancy McCartney** joined as Program Assistant.

MINERAL SCIENCES Chairman and Curator **George Harlow** and Research Fellow **Youngshan Dai** attended a symposium on X-ray diffraction in Washington, DC and a workshop at Brookhaven National Lab...**Steven Tolliday** and **Amy Smith** joined as Scientific Assistants...**Edward Mathez**, Associate Curator, and **James Webster**, Assistant Curator, attended a meeting of the American Geophysical Union in Montreal.

MUSEUM SHOP: **Ilene Evans** was promoted from Buyer to Senior Buyer...**Eryn DeFontes**, **Lisa Jenkins**, and **Thomas Rivera** are new part-time Sales Assistants...**Chester Ferguson** joined as Stock Clerk.

NATURAL HISTORY MAGAZINE: **David Ortiz** is welcomed as Editorial Assistant...**Leah Krauss** is a new part-time Special Publications Assistant...**Brunhilda Ortiz** was promoted from Fulfillment Coordinator to Assistant Fulfillment Manager...**Judy Lee** was promoted from Circulation Coordinator to Assistant Circulation Manager.

ORNITHOLOGY: **George F. Barrowclough** was appointed Chairman of the Department...Dr. Barrowclough, Chapman Fellows **Charles C. Farquhar** and **Jerry G. Groth** and graduate student **Carole Griffiths** attended the annual meeting of the Society for the Study of Evolution in Berkeley, CA. Drs. Barrowclough and Groth and Ms. Griffith gave papers at the meeting. Curator **François Vuilleumier**

served as co-leader of an ornithological tour of China for the People to People Citizen Ambassador Program...Dr. Farquhar attended the annual meeting of the Cooper Ornithological Society in Seattle, and conducted field work in Ecuador for a project on speciation in Red-backed and Puna hawks...**Allison V. Andors**, Senior Scientific Assistant, investigated a recently-discovered possibly avian fossil footprint in Seattle...Lamont Curator Emeritus **Dean Amadon** and **Mary LeCroy**, Senior Scientific Assistant, attended, and **Walter J. Bock**, Research Associate, gave a paper at the 110th meeting of the American Ornithologists' Union in Ames, Iowa. Dr. Barrowclough did field work on juncos in California...Research Associate **Robert F. Rockwell** did field work on Brant geese in Alaska...**Elizabeth DeJesus** is a new Secretary.

PERSONNEL: **Amy Landon** is a new Personnel Floater...Milton Cross joined as Personnel Records Assistant.

PLANETARIUM: **Sandra Kitt**, Librarian, attended the annual Special Libraries Association Conference in San Francisco...**Brian Sullivan**, Production Designer, is the illustrator of the children's astronomy book, "Planetwatch"...**Dennis Davidson**, Astronomical Artist, attended a NASA sponsored workshop on global climate changes.

PURCHASING: **Marie Yuvienco** is the new Secretary.

SOUTHWESTERN RESEARCH STATION: **Kathryn Romig** is a new research assistant.

VERTEBRATE PALEONTOLOGY: The second field season of the three-year expedition to Mongolia was completed at the end of August. Participants this year included members from the Mongolian Academy of Sciences and Museum staffers **Michael Novacek**, Dean of Science, **Malcolm McKenna**, Frick Curator, **Mark Norell**, Assistant Curator, **James Clark**, Frick Research Fellow, and **Lowell Dingus**, Fossil Hall and Library Restoration Project Director.

* * *

The Museum mourns the death of three retired employees: **Robert Horan**, 74, who died July 6. Mr. Horan joined the Maintenance Department in 1940 and retired in 1983...**Frederick Bisso**, 86, died on June 26. Mr. Bisso joined the Construction Department in 1937 and retired in 1971...**William Summerville**, 86, died July 5. Mr. Summerville joined the Maintenance Department in 1927 and retired in 1970.

Museum volunteer **Dr. Walter Jacobs**, 88, a retired dentist who joined the Museum in 1985, died on August 20. As a volunteer in the Department of Invertebrates, Dr. Jacobs' work included unpacking collections and sorting the Museum's outstanding shell collection. He will be missed.

Melvin Hinkley, Senior Technician in the Department of Invertebrates since 1961, has retired.

Mr. Hinkley joined the Invertebrates Department as an assistant in 1961. He was promoted to Technician in 1964 and Senior Technician in 1979.

Curator **Niles Eldredge** recalls "Melvin Hinkley single-handedly kept track of our four million fossil specimens, never losing a single one as we merged departments and kept moving collections around during the past 30 years. And he did it all without a computer!" Mr. Hinkley will begin his retirement with a visit to California and plans to tour Europe next year.

GRAPEVINE

American Museum of Natural History • October–December 1992 • Vol. 49, No. 4

Under Construction: The Hall of Human Biology and Evolution

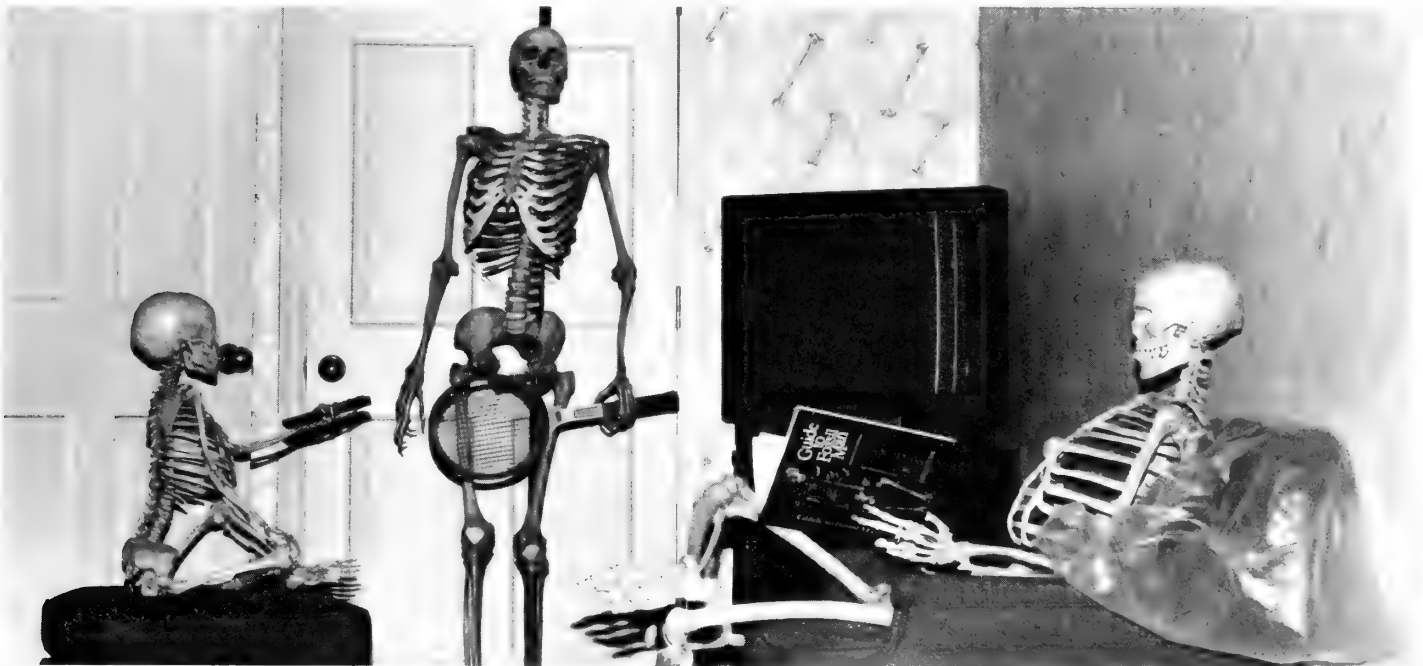
Work on the Museum's newest permanent hall, the Hall of Human Biology and Evolution, is approaching completion and the public opening is scheduled for April, 1993. The Hall is the successor to one of the most popular halls in the Museum's history, the Hall of the Biology of Man, which closed in 1984 after a quarter of a century.

While united by the single theme of "humanity's place in nature," the Hall of Human Biology and Evolution is organized into three sections—the first examines our biology and anatomy via an exploration

was created from the "visible woman," one of the most popular displays in the old Hall of the Biology of Man. It is one of the largest holograms ever made.

A duplicate of the "visible woman" hologram has just been on exhibit in the Pavilion of the Universe at Expo '92, the largest World's Fair yet held. It is estimated that more than 30 million people have traveled to Seville, Spain, for the Expo.

Currently in production is a breathtaking computer-animated video, "Biosystems," which presents a high-speed tour of the internal and external workings



Lounging around as the Hall of Human Biology and Evolution is prepared.

of the things we share with other living beings, the second traces the path of human evolution, and the third examines the origins of human creativity.

Among the highlights of the first section is a life-size hologram illustrating the circulatory, nervous, skeletal and organ systems as they would appear if you could see through a person's skin. The hologram

of the human body. "Biosystems" will be shown in a 30-seat theater that will also serve as a high-tech interactive classroom. This is the first time in the Museum's history that exhibition space has been specifically designed to serve as a teaching facility.

The Hall's second section traces human evolution through a series of fossil exhibits and four life-size

(continued on page 2)

INSIDE **PAGE 2:** Museum Opens New Library **PAGE 3:** New Naturemax: Tropical Rainforests • New Trustee • Closed Captioning Begins at AMNH **PAGE 4:** DNA Discovery • Recent Gifts and Grants • Gloria Davis Retires **PAGE 5:** Micheal Shall Retires • Museum Mourns Marie Lawrence **PAGE 6:** Here and There

Museum Opens New 8-Story Library

The Museum officially opened its newest building, an eight-story library designed by Kevin Roche John Dinkeloo and Associates on Wednesday, December 9.

The Library, founded with the Museum in 1869, is the largest in the western hemisphere, with a collection of nearly one million items worth in excess of one billion dollars.

In the new Library, state-of-the-art technology is combined with a carefully designed space providing an ideal environment for the use of the Library's

resources. The latest environmental controls, compact storage and sophisticated security and lighting systems, all ensure the preservation of the collection and provide accessibility for Library users.

The Museum staff is encouraged to come to use the new facility and informal tours are available on request.

The creation of the new Library is part of the Museum's continuing plan to completely restructure and redesign its entire fourth floor.



Library Director Nina Root and President George D. Langdon, Jr. toast the completion of the Library.



Cutting the ribbon at the Library opening, left to right: William T. Golden, Chairman of the Board of Trustees; Ellen Liman, Chair, Advisory Committee for Cultural Affairs; Henry Walter, Jr., Trustee; Peter Vallone, Speaker, City Council; Nina Root, Library Director; Ronnie Eldredge, City Council Member; Herbert Berman, Chairman, City Council Finance Committee; Luis Cancel, Commissioner, Dept. of Cultural Affairs; Kenneth Knuckles, Commissioner, Dept. of General Services; William J. Moynihan, Director; George D. Langdon, Jr., President.

Human Biology *(continued from page 1)*

dioramas. One diorama will depict the creation of the famous 3.5 million-year-old bipedal footprints discovered in Laetoli, Tanzania, that are believed to have been made by *Australopithecus afarensis*. The next diorama will show a pair of *Homo ergaster* a relative of *Homo erectus*, butchering a carcass on the African savanna. A Neanderthal family will be seen preparing animal hides and making tools at a site in Le Moustier, France.

The last diorama will portray a scene from 15,000 years ago as three Cro-Magnons prepare to cook a meal outside a hut constructed of mammoth bones and tusks. The hut, considered to be the earliest known architecture, is adapted from the bone hut displayed in the 1986/1987 exhibition "Dark Caves, Bright Visions."

The figures for the dioramas are completed and work on the background paintings and foregrounds is nearing completion. Artists Jan and Deborah Vriesen and Jeff Wrona from outside the Museum have created the background paintings. A team of preparators including Laura Friedman, Leslie Gerhauser, Scott Gregory, Cathy Leone, Christine Metzger, Brian Morrissey, and Rob Muller are working on the foregrounds. Ms. Leone, Ms. Friedman, David McCornack, now Senior Exhibition Assistant for the fossil hall project, and Gary Sawyer, Senior Museum Technician in Anthropology, worked on the figures.

The final section of the Hall will highlight the extraordinary burst of creativity that occurred toward the end of the Ice Agesome 20,000 to 30,000 years ago.

The hall's ceiling is a replica of the 14,000 year-old decorated cave roof of Altamira in northern Spain while a recreation of one of the magnificent animal friezes from the cave of Lascaux, France, forms the wall. An Ice Age art gallery will feature reproductions of some of the earliest known works of three dimensional art.

Visitors will be able to use an interactive computer system to learn about the latest discoveries and theories about human evolution in an "electronic newspaper." Jeff Jones, Exhibition Software Designer, is designing the program.

A miniature diorama of a dig site is being created by Alec Madoff, Principal Preparator. The model will feature video projected figures performing the tasks involved in a dig and explaining how fossils are uncovered. The video of the workers is projected onto a highly reflective sheet of glass in front of the model, creating the illusion that people are actually walking around the dig site.

Ian Tattersall, Chairman and Curator in Anthropology, is the curator for the new Hall. J. Willard Whitson, Exhibit Designer, heads the Exhibition Department design team that includes Exhibit Designers Gerhard Schlanzky and Larry Langham.

New Trustee Joins Museum's Board

Hughlyn F. Fierce, Senior Vice President of the Chase Manhattan Bank, North America is a new member of the Museum's Board of Trustees.

Mr. Fierce's tenure with Chase began in 1963 when he joined the branch assistant managers training program. Since then, Mr. Fierce has held numerous positions with Chase, including Vice President and team leader lending to Fortune Five Hundred Companies in the Corporate Banking Department, Senior Credit Policy Planner, General Manager of The Chase Manhattan Bank in Singapore, Francophone Africa Group Executive, African and Middle Eastern Area Executive, and Asia-Pacific Area Director.

He is currently Chairman of the Board of the Chase Banks of Arizona and Maryland, and Vice Chairman of the Chase Manhattan Bank of Connecticut. He is also Government Marketing Executive in the Regional Bank of The Chase Manhattan Bank, N.A., with a specific focus on the City of New York, New York State, and the Federal Government.

Mr. Fierce left Chase from 1974 to 1977, with the approval of the Federal Reserve System, to be the President and Chief Executive Officer of the Freedom National Bank of New York.

Mr. Fierce received a B.A. in Economics from Morgan State College in 1961, an M.B.A. degree in Finance, and an Advanced Professional Certificate in International Finance from New York University's Graduate School of Business Administration. In 1989 Mr. Fierce was awarded an Honorary Doctor of Laws degree from Morgan State University.

He is a member of the Board of Directors of the American Red Cross of greater New York. He is also a member of the Jazz Committee at Lincoln Center in NY and the Bretton Woods Committee in Washington, D.C.

Mr. Fierce, who resides in Brooklyn, is married to the former Jewel Marie Crews and has three daughters.

New Naturemax Film Explores the Wonders of the "Tropical Rainforest"



A Katydid is projected nearly 5 stories tall in "Tropical Rainforest".

The 400-million-year evolution of tropical rain forests and their recent and rapid destruction is the focus of the Museum's latest Naturemax film, "Tropical Rainforest." Filmed in rain forests in Australia, Costa Rica, French Guiana and Malaysia, "Tropical Rainforest" examines the abundant plant and animal life of the tropics through dramatic close-ups, time-lapse and aerial photography.

"Tropical Rainforest" is directed by Ben Shedd, a 1978 Academy award-winner for best documentary short film, and is produced by the Science Museum of Minnesota.

Also showing in the Naturemax Theater is "Magic Egg," a computer animated film showcasing the technology of IMAX filmmaking. "Magic Egg" takes the audience on a high-speed flight to the planet Saturn, a blueprint city, and a digital roller-coaster ride.

"Tropical Rainforest" is shown daily, every hour on the half hour from 10:30 a.m. to 4:30 p.m. "Magic Egg" is offered as a double feature with "Tropical Rainforest" on Friday and Saturday evenings at 6 p.m. and 7:30 p.m.

Museum Begins Captioning Effort with Global Warming Exhibition

In an effort to make the Museum accessible to the deaf and hearing impaired, captions are being added to all current and future video exhibits. The first exhibition to include closed captions is *Global Warming: Understanding the Forecast*, in Gallery 3.

Captions, like subtitles of foreign film, print the entire audio portion of a video program at the bottom of the television screen. This includes not only spoken dialogue, narration and song lyrics, but also sound effects and voice inflection.

"Closed captioning is something that will occur in the Museum as a norm," said Samuel M. Taylor, Director of Exhibition and Graphics. "Captioning *Global Warming* is only the beginning of our efforts to make the Museum accessible to people who are deaf and hard-of-hearing, as well as others who benefit from captioning."

Captioning will also be added to videos in the Museum's permanent exhibition halls. Videos with the closed caption option will be included in future exhibitions including the Hall of Human Biology and Evolution and the new dinosaur and mammal fossil halls.

CaptionAmerica, one of the nation's leading captioning companies, is working with the Museum's Audio/Visual Department to provide the captioning services. CaptionAmerica currently captions television programs, commercials, videos, exhibitions, sports events, satellite and on-site conferences. "The American Museum of Natural History has recognized that captioning is not limited to television shows," said Terri Zuckerman, Manager/Sales and Marketing, CaptionAmerica. "It extends to many forms of media,

(continued on page 5)

Museum Scientists Extract Oldest DNA Ever Discovered and Decoded from Fossil Termite Preserved in Amber

A team of researchers at the Museum have extracted the oldest DNA ever discovered and decoded from a 25 to 30 million-year-old fossil termite preserved in amber. The DNA was isolated in the newly constructed Molecular Systematics Laboratory, where researchers study the DNA of living and extinct animals to understand the patterns of evolution.

Previously, the most ancient DNA known was recovered from a 17-million-year-old magnolia leaf. It is only within the last few years that it has been possible to recover fossil DNA of any description, and examples of such discoveries are still quite rare.

The four scientists who made the discovery are Assistant Curator Robert DeSalle and Associate Curator David A. Grimaldi of the Museum's Entomology Department; Assistant Curator Ward C. Wheeler of the Museum's Invertebrate Department; and John Gatsey, a graduate student with Yale University who works and studies in the Lab with Dr. DeSalle.

Drs. Wheeler and DeSalle head up the Museum's Molecular Systematics Laboratory. Dr. Grimaldi specializes in the morphological (anatomical) study of insects to understand their evolution.

The termite from which the DNA was extracted is a newly discovered species, known scientifically as *Mastotermes electrodominicus*. The piece of amber containing the termite, which is now extinct, was discovered in lower Miocene deposits in the Dominican Republic. The termite was described from

amber in 1991 by Museum Researcher Kumar Krishna and Dr. Grimaldi.

The data provided by the fossil DNA from *Mastotermes electrodominicus* is already giving new insights into insect evolutionary relationships and histories. A long-standing debate among entomologists revolves around the relationship between two of humankind's favorite insects, the cockroach and the termite.

For years, it was believed that termites evolved from roaches. Recent studies based on anatomical comparisons and using a rigorous new method of classification called cladistics, have challenged that assumption. Research by James Carpenter, Associate Curator in Entomology, and Barbara Thorne, Professor of Entomology at the University of Maryland, indicate that termites and cockroaches evolved separately from a single common ancestor. Analysis of the 25 to 30 million-year-old DNA corroborates the newer theory, virtually settling the question of the cockroach/ termite relationship.

The success of the Museum's new discovery shows the potential of cooperative projects between researchers who use molecular methods and those use morphological methods.

The study of the termite DNA is one among many projects currently underway in the Museum's Molecular Laboratory. The joint projects of Museum researchers from different disciplines promise to continue to yield discoveries that will refine and even alter concepts of evolutionary history.

Gloria Davis Long-Time Museum Employee Retires

Gloria Davis, Assistant Chairwoman in the Department of Education, retired in September after 22 years at the Museum.

Ms. Davis joined the Museum as Supervisory Clerk in June of 1970 and was promoted to Registrar later that year. In February of 1992 she became Assistant Chairwoman.

Ms. Davis's responsibilities included coordinating the planning, registering, and ticketing of the Education Department's lecture series, weekend field trips, and college courses for teachers. She was also responsible for overseeing budgetary matters for her department and assisting in the programming of performing art groups. She was instrumental in bringing the Alvin Ailey Ensemble to the Museum for seven consecutive years of free performances.

Ms. Davis assisted in the creation of the Frederick H. Leonhardt People Center, an achievement she said she is most proud of because "its programs gave people the opportunity to come face to face with living evidence of different cultures."

She will begin her retirement with trips to California and Jamaica.

Recent Gifts & Grants

- The Museum received a \$200,000 grant from the Howard Hughes Medical Institute, which will fund an intensive two-year natural science program for urban minority youth. The program will allow junior and senior high school students to work in small teams on biological research projects with mentors from the Museum, Columbia University's Lamont Doherty Geological Observatory, and the Columbia College of Physicians.
- The New York State Council On Arts awarded the Museum \$200,000 in general operating support.
- A \$1 million dollar grant was received from the National Endowment for the Humanities to support the purchase of compact storage and installation of climate control in the Asian Ethnology collection.
- The Department of Education, Health and Welfare made the first payment on a two-year grant of \$210,000 to the Library to support a conversion of the bibliographic records for its pre-1960 imprint collection of 65,000 monographic titles into machine-readable form through On-line Computer Library Center (OCLC). The Project will also include the creation of an estimated 19,500 original OCLC records for rare and unique materials.

Michael Shall Retires as Organizer of the Origami Holiday Tree

"I want the world to fold paper!" proclaims Michael Shall. He has dedicated his life to this unique art form which he describes as "a nurturing and spiritual process."

For 17 years Mr. Shall has been an active volunteer at the Museum. He has been responsible for the annual Origami Holiday Tree, insuring a spectacular display of origami decorations each year. Although he



Origami Holiday Tree in the Theodore Roosevelt Memorial Hall

has decided to retire, Mr. Shall will continue to be involved with the tree as well as the educational aspect of origami at the Museum.

At a young age, Mr. Shall and his brothers became avid folders. As the years passed, he tried his hand at teaching in public school and then became involved with theatre in New York City. During this work, Mr. Shall continued folding passionately.

In New York he met Lillian Oppenheimer, who was to have a profound influence on his life. While acting as a leader to origami folders around the United States and to the Origami Center of America, Ms. Oppenheimer inspired Mr. Shall to make origami a career.

Another woman was to play an important role in his life. One holiday season, Alice Gray, scientific assistant emerita in the Department of Entomology, decorated a small tree in that office at the Museum with origami and thus began a tradition now in its twentieth year. Mr. Shall fondly refers to Ms. Gray as "my teacher and my mentor". They worked on the tree together for years and made it the great holiday event it is today.

Mr. Shall is the President of Friends of the Origami Center of America. He travels all around the country and Europe, teaching and creating origami and origami trees.

Marie Lawrence dead at 67

Marie Lawrence, Senior Scientific Assistant in the Department of Mammalogy, died at her home in Manhattan on September 20. She was 67.

Ms. Lawrence joined the Museum staff in 1972 as a Scientific Assistant. She was promoted to Senior Scientific Assistant in 1982.

Her most recent projects included a nearly completed catalogue of type specimens in the Mammalogy collections. She collaborated in research projects with curators in the Mammalogy Department and published numerous papers and received several awards for her research.

Ms. Lawrence was curator of the 1987 exhibition "Captured Motion" and served as the departmental consultant on several other Museum exhibitions.

A 1945 graduate of Vassar College, Ms. Lawrence received an M.S.S. from Smith College in 1952 and an M.A. from New York University in 1970. She was both a member of the American Society of Mammalogists and the American Society of Archaeologists.

Ms. Lawrence was born in Poughkeepsie, New York. She is survived by her mother, Marie Jackson Lawrence, a brother, Aetius Lawrence, a niece and a nephew.

Captioning *(continued from page 3)*

and the opportunities for using captioning to improve communication are everywhere. We're excited to be a part of the Museum's efforts to help people understand issues which affect everyone."

In addition, the Office of Volunteer Services offers a special series of Highlights Tours for the deaf and hearing impaired.

Here and There

ANTHROPOLOGY: Chairman and Curator **Ian Tattersall** was recently in Vietnam where he identified hominid sites...**Enid Schildkrout** Curator, traveled through Namibia where she gave lectures on preserving collections...Associate Curator **Laurel Kendall** presented a paper at the First Pacific Basin Conference on Korean Studies in Honolulu. She also gave lectures at the University of Hawaii's Festival of Korea...**Barbara Conklin**, Registrar, was made an adjunct professor at the Catholic University of the North in Antofagasta, Chile...**David Hurst Thomas**, Curator, worked as a Research Associate at the School for American Research. While there, he and **Lori Pendleton**, Material Culture Analyst, made comparison studies between early Spanish mission systems in the Southeast and Southwest...Dr. Thomas also filmed what will be a two-hour segment of a series about Native Americans, which will air on the TNT network...**Judith Levinson**, Conservator, attended the annual meeting of the Western Association of Art Conservators and a conference

on Tangka conservation in Santa Fe. **Linda Nieuwenhuizen**, Assistant Objects Conservator, is a new adjunct professor at New York University, and with a Samuel H. Kress Grant, attended a course on "Mycology for Conservators" at the Campbell Center in Illinois...Curator **Robert Carneiro** is teaching a course on cultural evolution at Columbia University...**Thomas Miller**, Senior Scientific Assistant, attended the international conference on "*Shamanism as Religion: Genesis, Reconstruction, Tradition*" in Yakutsk, Siberia, where he also gave a paper on the Jesup North Pacific Collection...Research Associate **Helen Fisher's** book "Anatomy of Love: the Natural History of Monogamy, Adultery, and Divorce" was recently published...**Charles Spencer**, Associate Curator, and **Elsa Redmond**, Research Associate, did lab and field work in Venezuela, and surveys in Oaxaca...**William Weinstein**, Systems Analyst, attended a meeting of the Consortium of Free-Standing Natural History Museums and Botanical Gardens...Scientific Assistant **Paul Goldstein** did fieldwork in Peru and Bolivia...**Daria Keynan** joined as a Conservator...**Judy Fox** is a new Part-time Assistant Conservator...**Judith Southward** is a new Conservation Intern...**Arthur Joyce** is a new Kalbfleisch Research Fellow.

BUILDING SERVICES: **Roscoe Holmes** and **Sancell Reid** were promoted from Museum Attendant Guards to Senior Museum Attendant Guards...**Ronald Williams** is a new Assistant Manager...**Richard Grala** is a new Museum Attendant Guard.

DEVELOPMENT: **Shoshanah Goldberg** joined as Development Coordinator for Corporate Annual Fund...**Vivian Greenberg** and **Julia Weil** joined as Development Associates.

EDUCATION: **Bradford Burnham**, **Uta Gore**, **Karen Kane**, and **Emily Ogrinz** joined as Senior Museum Instructors...**Mary Karns** is the new Education Registrar/Office Manager...**Randall Saad**, **David Seebaugh** and **Monica Volkmann** joined as Science Educators.

ENTOMOLOGY: **Eric Quinter** was promoted from Scientific Assistant to Senior Scientific Assistant...**Jerome G. Rozen, Jr.** Curator, **Andrey V. Sharkov**, Collections Conservation Assistant, and **George E. Martinez**, part-time Curatorial Assistant, travelled to the Atacama Desert in Chile surveying arthropod fauna...**John Wenzel** joined as Kalbfleisch Fellow. He and **James Carpenter**, Associate Curator, recently returned from Argentina, where they collected wasps in Misiones, the filming site of the movie "The Mission"...**Richard Baker** joined as a Research Assistant...**Juan Jose Morrone** is a new National Science Fund Research Fellow...**Vladimir Ovtsharenko** is a new Lincoln Ellsworth Research Fellow.

EXHIBITION: **D. Scott Gregory** and **Christine Metzger** joined as Preparators...**Jeffrey I. Jones**, Exhibition Software Manager, and his wife Jackie are the parents of a baby girl, Nicole.

FINANCIAL OPERATIONS: **Yassar Alibeyah** joined as Microcomputer Technician...**Marie Sau Giralt** is welcomed as Part-Time Budget Analyst.

FOSSIL HALLS-LIBRARY: **Lawrence Lee** joined as

Exhibition Assistant.

GRAPHICS: **Tara Kramer** is the new secretary.

GUEST SERVICES: **Gayle Shulman** is a new Guest Services Associate.

HERPETOLOGY AND ICHTHYOLOGY: **Melanie Stiassny** was promoted from Assistant Curator to Associate Curator...**David Dickey** joined as Scientific Assistant...**Anthony Gill** is the new Lerner-Gray Research Fellow... **Eileen Keeffe** joined as Data Entry Assistant.

INTERDEPARTMENTAL FACILITIES: **Howard Johnson** joined as Computer Assistant.

INVERTEBRATES: **Neil Landman** was appointed Chairman...**Susan Klofak** was promoted from Museum Technician to Senior Museum Technician...**John Gatesy** is a new Kalbfleisch Research Fellow...**George Grills** joined as Sequencer Operator...**William Iannuccilli** is the new Molecular Lab Supervisor...**Barbara Worcester** is a new Secretary. **LIBRARY:** **Nina Root**, Director, and **Miriam Tam**, Assistant Director for Technical Services, recently attended the International Federation of Library Associations in New Delhi, India...**Donald Jacobsen**, Assistant Director for Reference Services attended the NYSERNet Workshop held recently in New York. **Alesia Davis**, **Stephen Kight** and **Liping Wang** joined as part-time Library Assistants.

MAINTENANCE AND ENGINEERING: **Wayne Joseph** was promoted from Senior Museum Attendant Guard to Cleaning Supervisor...**Dina Boakye**, **James Cole**, **David DeJesus** and **Maria Rendon** joined as Museum Attendant Guards.

MINERAL SCIENCES: **Cheryl Peach** joined as Scientific Assistant.

MUSEUM SHOP: **Sallie Blake**, **Michael Chan**, **John Fox**, **Tony Gilead**, **Karen Kearney**, **Amanda Ko**, **Giselle Madera**, **Connie Peng**, **Janette Sanabria**, **Tony Villanueva** and **Tanya Williams** are Part-Time Sales Assistants...**John Tumminia** joined as a Part-Time Supervisor.

NATURAL HISTORY MAGAZINE: **Jonna Hunter** is a new Secretary...**Marie Mundaca** joined as Assistant Production Manager.

ORNITHOLOGY: **George Barrowclough** was appointed Chairman...**Joel Cracraft** joined as Curator...Lamont Curator **Lester L. Short** gave the keynote address at the Eight Annual Pan-African Ornithological Congress held recently in Bujumbura, Burundi... Graduate Student **Alejandro Espinosa** will be assisting Dr. Cracraft. **Mary LeCroy**, Senior Scientific Assistant, recently returned from fieldwork in New Ireland...**Walter J. Bock**, Research Associate, gave a paper at the 125th Annual Meeting of the Deutschen Ornithologen-Gesellschaft in Berlin.

PLANETARIUM: **Amie Mastrangelo** and **Patrick Campagna** are new interns...**Francine Oliver** was promoted from Administrative Secretary to Assistant to the Chairman...**Suzanne Strulowitz** is a new Part-Time Sales Assistant.

VERTEBRATE PALEONTOLOGY: **Robert Evander** was promoted from Preparator to Senior Preparator...**Luis Chiappe** joined as Frick Research Fellow.

VOLUNTEERS: Highlight's Tour guides recently took a field trip to the Yale Peabody Museum.

GRAPEVINE

American Museum of Natural History • January–February 1993 • Vol. 50, No. 1

JUMBOMANIA Sweeps the Museum

Some 200 schoolchildren, Museum staff, volunteers, visitors and circus clowns from the Ringling Bros. and Barnum & Bailey Circus celebrated the return of Jumbo the elephant to our exhibit halls on January 22.

The special exhibit, *Jumbo: The World-Famous Elephant*, opened on January 22, amidst much fanfare. After welcoming remarks from William J. Moynihan, Director of the Museum, William T. Golden, Chairman of the Board of Trustees, and Kenneth Feld, President of Ringling Bros. and Barnum & Bailey Circus, the Circus's Ringmaster and four clowns led the entire group in a song about Jumbo written in the late 1800's.

Jumbo has been in the Department of Mammalogy's collections since 1890, when he was donated by the great circus showman P.T. Barnum. Senior Museum

Instructor in Education Lisa Breslof served as Project Director, and Craig Vitamanti researched the exhibit which introduces a new generation to the lore of Jumbo and explores the threat to the wild African

elephant's survival. Vivian Stillwell and Andrea Raphael-Reese, Preparators in the Exhibition Department, designed an exhibit to retell the life and times of Jumbo. Helmut Sommer, Senior Technician in the Department of Mammalogy, oversaw the maintenance and installation of the skeleton mount. Accompanying the exhibit is a video produced by GERALYN ABINADER, Secretary to the Vice-President for Public Programs,

and edited by Chris Toy from the Audio/Visual Department about the natural history and conservation issues of the African elephant.



Circus clowns perform for children at opening of Jumbo exhibit.

Museum Employees Show Their Generosity

Museum employees deserve a hand for lending a hand to the United Way Fund efforts this year. Having been assistant chairman of the campaign in 1991, Al Grenzig, Assistant Manager of Construction, was at the helm this year, displaying his great enthusiasm for the Fund. Marcia White, Manager of Teaching Programs in Education, Lisa Stillman, Assistant to the Assistant Managing Editor for Copy at *Natural History* and 38 departmental coordinators were responsible for the organization and communication within the Museum, insuring its success. And what a success, more than \$14,000 was raised.

The contagious enthusiasm and continuous dedication of Museum employees to help the needy in our area was also reflected in the Museum's first annual food drive. In conjunction with St. Paul and St. Andrew Methodist Church on West End Ave. at 86th St., the Museum collected over 600 food items. Mr. Grenzig hopes to hit the 1,000 mark next year.

INSIDE PAGE 2: *Children's Christmas Party Photographs* PAGE 3: *Ornithology Welcomes Cracraft • New Trustee • Pizza Discount • Planetarium Instructor Dies* PAGE 4: *Here and There*

Children's Christmas Party 1992



Vanessa Owusu-Mamu, daughter of Museum Attendant Guard Agnes Owusu-Mamu, takes a moment between activities to pose in her holiday dress.



Nabamita Kanjilal, 12 months old, daughter of Subrata Kanjilal of the Building Services Department enjoys the festivities.



Doug Sawch, 2, son of Stephen Sawch, Manager of Construction, plays with his new toy after his visit with Santa.

Each year Museum families ring in the holidays at the traditional Children's Christmas Party. This year was no exception as hundreds of children and families came to share in the festivities.

Following a slapstick mime act in the Main Auditorium, children made their way over to the Hall of Ocean Life where they eagerly awaited a visit with Santa. The children received a gift and enjoyed filling up on sandwiches, hot dogs, soda, ice cream and brownies.

Alan Ternes, Editor of *Natural History*, lit up many young (and older!) faces in his role as Santa Claus. Ernestine Weindorf, Assistant to the Publisher of *Natural History* and Jean Augustin, Senior Technician in the Mammalogy Dept. are to be thanked for their many efforts in organizing this successful event.

Photographs by Jackie Beckett



Melissa Gonzalez, 3 1/2 years old, granddaughter of Xiomara Delgado of the Payroll Dept., gives a holiday smile before enjoying her box of chocolate milk.



AMNH Santa Alan Ternes is careful not to wake 1 month old Loraina Concepcion, niece of Monica Delph, Museum Attendant Guard.

Ornithology Welcomes Joel Cracraft

Joel Cracraft is a new member of the Department of Ornithology, which he joined as a Curator in September, 1992. Dr. Cracraft comes to the Museum from the Department of Anatomy and Cell Biology at the University of Illinois where he was a professor.

Dr. Cracraft's research includes studies on the systematics, speciation and biogeography of birds-of-paradise, a very diverse and beautiful group of birds indigenous to New Guinea and its satellite islands, as well as northeastern Australia.

To understand the evolution of birds-of-paradise, Dr. Cracraft combines data from anatomical studies of these birds with information about their genetic similarities. With the evidence from this combination of traditional research and the newly developed field of molecular systematics, Dr. Cracraft hopes to gain insight into the complex patterns of speciation in the nearly 90 different kinds of birds-of-paradise.

The Museum's Ornithology Department has a long tradition of studying these birds, going back to research done during the Archbold Expeditions of the 1930s and 1940s. Ernst Mayr, Curator Emeritus, E. Thomas Gilliard, former Curator, and Mary LeCroy, Senior Scientific Assistant, have all contributed important research on this family of birds.

Dr. Cracraft also explores theoretical questions about the processes of evolution, diversification and geographic distributions of organisms. His studies contribute to understanding how biotas evolve and how the earth's tremendous biodiversity developed.

Dr. Cracraft's research program includes applying his findings to issues in conservation biology. Among his current projects in this field is a study to clarify the number and relationships of the different subspecies of tigers. Although he is an ornithologist, Dr. Cracraft chose to study tigers because of the pressing concern about the extinction of these animals and the opportunity to do molecular research using blood samples gathered in zoos. After completing the tiger study, Dr. Cracraft plans to work on other projects in conservation biology using the facilities in the Museum's Molecular Systematics Laboratory.

Dr. Cracraft is also currently working on a study with George Barrowclough, Chairman and Associate Curator in Ornithology, to rethink how species concepts have an influence on bird classification. The study should significantly alter ideas of how many bird species exist in the world today.

New Trustee Joins Museum's Board

David S. Gottesman, a Managing Partner of First Manhattan Co., is a new member of the Board of Trustees. Mr. Gottesman founded First Manhattan Co. in 1964. Prior to that he worked as a partner and an analyst at Hallgarten & Co. for 14 years.

In addition to serving on the board of the Museum, Mr. Gottesman is on the board at Mount Sinai Medical Center, where he chairs the Quality Assurance Committee; the Jewish Communal Fund of New York, where he serves as Vice President of the Investment Committee; and the United Jewish Appeal-Federation of Jewish Philanthropies.

Mr. Gottesman is a director of the Sequa Corporation in New York City.

After completing his undergraduate studies at Trinity College in 1948, Mr. Gottesman received an M.B.A. with Distinction from Harvard Business School. In 1988 he was awarded an Honorary Doctorate of Humane Letters at Yeshiva University, where he is presently a trustee as well as Chairman of the Budget and Finance Committee.

Mr. Gottesman lives in Rye, New York with his wife, Ruth and has three children.

Calling All Pizza Lovers

Pizzeria Uno, located at the corner of Columbus Avenue and 81st Street, is offering a 10% discount to Museum employees and volunteers. A Museum ID must be presented to receive the discount. And for all of you who do not want to brave the weather, Pizzeria Uno delivers—call them at 595-4700.

Planetarium Course Instructor Dies

George Lovi, a course instructor in the Planetarium, died on Thursday, February 19, in New Brunswick, NJ. He was 53.

Mr. Lovi joined the Museum as a course instructor in 1983. He was a columnist for *Sky and Telescope* magazine and was the author of the book *Men, Monsters and the Modern Universe*. He is survived by his mother and a brother.

Mr. Lovi will be missed by the Museum community.

Here and There

ADMISSIONS CONTROL: Ursula Aguilar is a new Part-Time Cash Analyst.

ANTHROPOLOGY: Martha Graham was promoted from Traina Research Fellow to Registrar for Repatriation...Assistant Collections Manager John Hansen has a new baby girl, Faythe Christina...Scientific Assistant Tom Miller presented a paper at the First International Congress of Arctic Social Sciences in Quebec City...Textile Conservators Vuka Roussakis and Anahid Akasheh organized the Textile Conservation Group's Symposium on the Use of

Adhesives and Consolidants in Textile Conservation at the Cooper-Hewitt Museum...Curator Craig Morris did fieldwork in Peru...Lisa Rose is a new Museum Technician in the Department...Kalbfleisch Research Fellow Arthur Joyce did fieldwork in Oaxaca, Mexico...Scientific Assistant John Hyslop's book *Inca Roads* has been translated into Spanish...Curator David H. Thomas gave the Governor's Annual Humanities Lecture in Georgia...Systems Analyst William Weinstein presented a paper at the

(continued on page 4)

Museum Computer Network's annual meeting in Pittsburgh...Dr. Graham, Dr. Joyce, Scientific Assistants **Laila Williamson**, **Paul Goldstein** and Mr. Miller, Research Associate **Elsa Redmond**, and Curators **Enid Schildkrout**, **Laurel Kendall**, Dr. Morris, and **Charles Spencer** attended the annual meeting of the American Anthropological Association in San Francisco, where several of them presented papers...Dr. Kendall also presented a paper at a Conference on Korean Shamanism held at the Victoria and Albert Museum in London, participated in a workshop discussion on the future of Korean studies in Berkeley, and participated in a meeting in Seoul of the Bilateral Working Group on Cultural and Intellectual Issues in the U.S./Korea Relationship...Mr. Miller and Dr. Schildkrout attended the African Studies Association Annual Meeting in Seattle.

BUILDING SERVICES: **Tracy Buhler** is the new Secretary...**Akhtar Choudhury** and **Vladimir Kochkine** have joined as Museum Attendant Guards.

CONSTRUCTION: **Yefim Stekolshchikov** is a new Museum Maintainer.

DEVELOPMENT: **Paul Bessire** has joined as Assistant Director of Development as have **Robin Phillips** and **Caralynn Sandorf**...The new Assistant Director of Special Events is **Marla Hander**...**Amy Landon** was promoted from Personnel Floater to Development Associate...**Blanche Norman** was promoted to Development Associate from Secretary.

ENTOMOLOGY: Three new Part-Time Curatorial Assistants in the department are **Linda Krause**, **Claudia Szumik** and **Eric Neff**...New fellowships include **Vladimir Ovtsharenko** as a Lincoln Ellsworth Research Fellow, **Juan Morrone** as a NSF Research Fellow, and **John Wenzel** as a Kalbfleisch Research Fellow.

FINANCIAL OPERATIONS: **Daniel Dwyer** joined as Capital Budget Analyst...**Irene Guralnick** is the new Staff Accountant.

GENERAL ACCOUNTING: **Lindsay Collins, Jr.**, is the new Full-Charge Bookkeeper.

GENERAL SERVICES: **Vere King** is a new Senior Clerk.

GRAPHICS: **Scott Park** is a new Designer.

GUEST SERVICES: **Tabatha Thorpe** is the new Secretary...**Amy McLaughlin** has been promoted from Secretary to Guest Services Assistant.

HAYDEN PLANETARIUM: **Brett Genger** is a new Part-Time Planetarium Assistant.

INTERDEPARTMENTAL FACILITIES: Through the combined effort of the office of the Dean of Science, the departments of Herpetology and Mineral Sciences, the National Science Foundation, and NASA, the Interdepartmental Facility is setting up an internal computer system for the science departments that will connect into the Internet, a worldwide network that connects universities, libraries, schools and other computer resources...**William Barnett**, Supervisor of the SEM Laboratory, attended the annual Microscopy Society of American Meeting in Boston and the NYSERNet workshop in New York.

INVERTEBRATES: **Christopher Boyko** has joined as Scientific Assistant...**John Gatesy** is a new Kalbfleisch

Research Fellow...**David Jacobs** was promoted from Postdoctoral Fellow to Research Scientist.

LIBRARY: Three new Part-Time Library Assistants include **Donald Clyde**, **Richard Koss**, and **Peter Zellen**...**Maria Revay** is a new Cataloging Librarian...Library Director **Nina Root** has been elected to the Board of Trustees of the Mercantile Library...**Joel Sweimler** was promoted from Assistant to the Manager to Manager of Special Collections...**Liping Wang** was promoted from Part-Time Library Assistant to Senior Clerk...**Stephen Kight** was promoted from Part-Time Library Assistant to Secretary...The Library has begun the USDE funded project to reclassify the "old" monograph collection using Library of Congress call numbers.

MAINTENANCE AND ENGINEERING: **Monica Delph** and **Daniel Rosado** are new Museum Attendant Guards...New Project Engineers are **Ana Rachmut** and **Hamidreza Tavarna**...**Paul Riddle** and **Robert Mikovic** have joined as Museum Maintainers...**Roberta Espinoza** was promoted from Museum Attendant Guard to Senior Museum Attendant Guard...**Zhi Zhao** was promoted from Lamping Assistant to Assistant Museum Maintainer.

MEMBERSHIP: **Risa Miller** is a new Part-Time Programs Assistant...**Anne Nichols** is a new Part-Time Membership Sales Assistant.

MINERAL SCIENCES: **Heidi Cruz** has joined as Scientific Assistant...**J. Albert Leger** is a new Research Scientist.

MUSEUM SHOPS: **Christopher Boykins** joined as Full-Time Sales Assistant...New Part-Time Sales Assistants are **Max Han**, **Shanita Lovelace**, **James Rizzuti**, and **Vanessa Rojas**...**Jean Morris** has joined as Part-Time Supervisor...**Hector Canonge** is a new Part-Time Cash Analyst...**Della Fisher** was promoted from Full-Time Sales Assistant to Senior Sales Assistant...**Maywati Ramasar** was promoted from Part-Time Sales Assistant to Part-Time Supervisor.

NATURAL HISTORY MAGAZINE: **John Davey** is a new Part-Time Publications Assistant.

ORNITHOLOGY: **Shannon Hackett** and **Gary Nunn** are new Postdoctoral Fellows. Both are analyzing higher level relationships of birds using DNA sequencing...**Evgeny Kurochkin** of the Palaeontological Institute of the Russian Academy of Sciences joined the department in November as a Chapman Research Fellow, undertaking research on the early evolution of birds...Lamont Curator **Lester L. Short** continued his long-term field study of honeyguides in Kenya in October. In December and January he visited the British Museum in Tring to continue research for a monograph on the toucans, barbets, and honeyguides of the world...Curator **Francois Vuilleumier** studied speciation patterns of birds along a transect through Patagonia.

PAYROLL AND BENEFITS: **Heather Forde** joined as Payroll and Benefits Associate.

PERSONNEL: **Terry Swarn** is a new Personnel Floater...**Tony Cross** was promoted from Personnel Floater to Personnel Assistant.

PRESIDENT'S OFFICE: **Naomi Schuman** joined as Assistant.

VOLUNTEER SERVICES: **Sherese Robinson** is a new Part-Time Telephone Supervisor.

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